Features of your new air conditioner

Cool Summer Offer

On those hot sweltering summer days and long restless nights, there is no better escape from the heat than the cool comforts of home. Your new air conditioner brings an end to exhausting hot summer days and lets you rest.
This summer, beat the heat with your own air conditioner.

Cost Efficient System

Your new air conditioner not only provides maximum cooling power in the summer, but can also be an efficient heating method in the winter with the advanced "Heat pump" system. This technology is up to 300% more efficient than electrical heating, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.

Look for Everywhere

The elegant and harmonious design gives priority to the aesthetics of your space and complements any of your existing interior decor. With its soft color and rounded-edge shape, the new air conditioner adds class to any room. Enjoy what your air conditioner offers both functionally and esthetically.

Compact and easy-to-use cassette type

Designed to be installed into most types of suspended ceiling, the cassette type air conditioner is ideal for business and commercial accommodations.
Fresh cool/warm air can be provided through the controllable 1, 2 or 4 sides of the unit.
All functions of the air conditioner will be controlled easily via a remote control.

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), and the Electromagnetic Compatibility Directive (2004/108/EEC) of the European Union.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

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Safety precautions

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

Important safety symbols and precautions:

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
CAUTION	Hazards or unsafe practices that may result **in minor personal injury or property damage.**

	Follow directions.
	Do NOT attempt.
	Make sure the machine is grounded to prevent electric shock.
	Unplug the power plug from the wall socket.
	Do NOT disassemble.

FOR INSTALLATION | WARNING

Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.

- Extending the power line may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- If the voltage/frequency/rated current condition is different, it may cause fire.

The installation of this appliance must be performed by a qualified technician or service company.

- Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury.

Install a switch and circuit breaker dedicated to the air conditioner.

- Failing to do so may result in electric shock or fire.

Fix the outdoor unit firmly so that the electric part of the outdoor unit is not exposed.

- Failing to do so may result in electric shock or fire.

Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.

- This may result in electric shock or fire.

Never install the outdoor unit in a location such as on a high external wall where it could fall.

- If the outdoor unit falls, it may result in injury, death or property damage.

This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- Failure to do so may result in electric shock, fire, an explosion, or other problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

FOR INSTALLATION | ⚠ CAUTION

Install your appliance on a level and hard floor that can support its weight.

- ▶ Failing to do so may result in abnormal vibrations, noise, or problems with the product.

Install the draining hose properly so that water is drained correctly.

- ▶ Failing to do so may result in water overflowing and property damage.

When installing the outdoor unit, make sure to connect the draining hose so that draining is performed correctly.

- ▶ The water generated during the heating operation by the outdoor unit may overflow and result in property damage. In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.

FOR POWER SUPPLY | ⚠ WARNING

When the circuit breaker is damaged, contact your nearest service center.

Do not pull or excessively bend the power line. Do not twist or tie the power line. Do not hook the power line over a metal object, place a heavy object on the power line, insert the power line between objects, or push the power line into the space behind the appliance.

- ▶ This may result in electric shock or fire.

FOR POWER SUPPLY | ⚠ CAUTION

When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.

- ▶ Failing to do so may result in electric shock or fire.

FOR USING | ⚠ WARNING

If the appliance is flooded, please contact your nearest service center.

- ▶ Failing to do so may result in electric shock or fire.

If the appliance generates a strange noise, a burning smell or smoke, unplug the power plug immediately and contact your nearest service center.

- ▶ Failing to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power line. Do not touch the appliance or power line.

- ▶ Do not use a ventilating fan.
- ▶ A spark may result in an explosion or fire.

To reinstall the air conditioner, please contact your nearest service center.

- ▶ Failing to do so may result in problems with the product, water leakage, electric shock, or fire.
- ▶ A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.
- ▶ Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.

Safety precautions

FOR USING | ⚠ WARNING

Do not touch the circuit breaker with wet hands.
- ▶ This may result in electric shock.

Do not strike or pull the air conditioner with excessive force.
- ▶ This may result in fire, injury, or problems with the product.

Do not place an object near the outdoor unit that allows children to climb onto the machine.
- ▶ This may result in children seriously injuring themselves.

Do not turn the air conditioner off with the circuit breaker while it is operating.
- ▶ Turning the air conditioner off and then on again with the circuit breaker may cause a spark and result in electric shock or fire.

After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
- ▶ If a child places a bag over its head, it may result in suffocation.

Do not insert your fingers or foreign substances into the outlet when the air conditioner is operating or the front panel is closing.
- ▶ Take special care that children do not injure themselves by inserting their fingers into the product.

Do not touch the front panel with your hands or fingers during the heating operation.
- ▶ This may result in electric shock or burns.

Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.
- ▶ Take special care that children do not injure themselves by inserting their fingers into the product.

Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.
- ▶ Since this may be dangerous due to a lack of oxygen, open a window at least once an hour.

If any foreign substance such as water has entered the appliance, cut the power by unplugging the power plug and turning the circuit breaker off and then contact your nearest service center.
- ▶ Failing to do so may result in electric shock or fire.

Do not attempt to repair, disassemble, or modify the appliance yourself.
- ▶ Do not use any fuse (such as cooper, steel wire, etc.)other than the standard fuse.
- ▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.

FOR USING | ⚠ CAUTION

Do not place objects or devices under the indoor unit.
- ▶ Water dripping from the indoor unit may result in fire or property damage.

Check that the installation frame of the outdoor unit is not broken at least once a year.
- ▶ Failing to do so may result in injury, death or property damage.

Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

FOR USING | ⚠ CAUTION

Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.

▶ This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.

▶ This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

▶ As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not drink the water from the air conditioner.

▶ The water may be harmful to humans.

Do not apply a strong impact to the remote controller and do not disassemble the remote controller.

Do not touch the pipes connected with the product.

▶ This may result in burns or injury.

Do not use this air conditioner to preserve precision equipment, food, animals, plants or cosmetics, or for any other unusual purposes.

▶ This may result in property damage.

Avoid directly exposing humans, animals or plants from the air flow from the air conditioner for long periods of time.

▶ This may result in harm to humans, animals or plants.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

FOR CLEANING | ⚠ WARNING

Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner or alcohol to clean the appliance.

▶ This may result in discoloration, deformation, damage, electric shock or fire.

Before cleaning or performing maintenance, unplug the air conditioner from the wall socket and wait until the fan stops.

▶ Failing to do so may result in electric shock or fire.

FOR CLEANING | ⚠ CAUTION

Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.

▶ To avoid cutting your fingers, wear thick cotton gloves when cleaning it.

Do not clean the inside of the air conditioner by yourself.

▶ For cleaning inside the appliance, contact your nearest service center.

▶ When cleaning the internal filter, refer to the descriptions in the 'Cleaning and maintaining the air conditioner' section.

▶ Failure to do may result in damage, electric shock or fire.

Checking before use

Operation ranges

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

MODE	OUTDOOR TEMPERATURE		INDOOR TEMPERATURE	INDOOR HUMIDITY
COOLING	2.6kW	-10°C/14°F to 46°C/115°F	18°C/64°F to 32°C/90°F	80% or less
	3.5kW	-15°C/5°F to 46°C/115°F		
	5.2kW			
	6.0kW			
HEATING	2.6kW	-15°C/5°F to 24°C/75°F	27°C/81°F to less	
	3.5kW			
	5.2kW	-20°C/-4°F to 24°C/75°F		
	6.0kW			
DRYING	2.6kW	-10°C/14°F to 46°C/115°F	18°C/64°F to 32°C/90°F	
	3.5kW	-15°C/5°F to 46°C/115°F		
	5.2kW			
	6.0kW			

NOTE

- The standardized temperature for heating is 7˚C/45˚F. If the outdoor temperature drops to /32˚F or below, the heating capacity can be reduced depending on the temperature condition.
  If the cooling operation is used at over 32˚C/90˚F (indoor temperature), it does not cool at its full capacity.
- The use of the air conditioner at a relative humidity above the expected one (80%) may cause the formation of condensate and the leakage of water drops on the floor.

Maintaining your air conditioner

Internal protections via the unit control system

▶ This internal protection operates if an internal fault occurs in the air conditioner.

Type	Description
Against cold air	The internal fan will be off to against cold air when the heat pump is heating.
De-ice cycle (Defrost cycle)	The internal fan will be off to against cold air when the heat pump is heating.
Anti-Freezing of Indoor Heat Exchanger	The compressor will be off if the heat exchanger termp of indoor unit decrease to 0˚C or more to protect from ice build up on the heat exchanger.
Protect compressor	The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started.

NOTE

- If the heat pump is operating in Heat mode, De-ice cycle is actuated to remove frost from an outdoor unit that may have deposited at low temperatures.
  The internal fan is switched off automatically and restarted only after the de-ice cycle is completed.

Checking before use

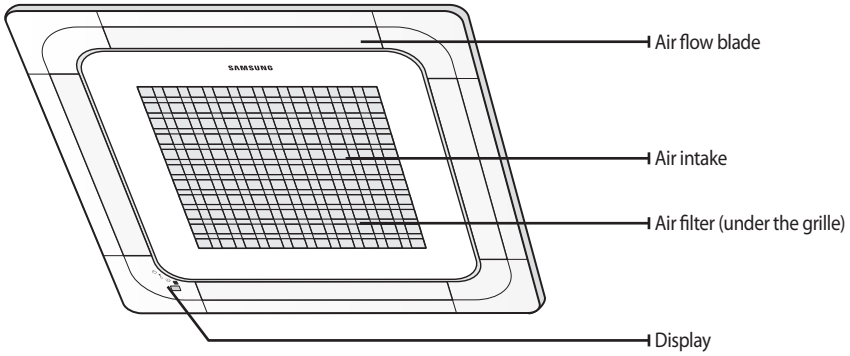
Tips on using air conditioner

Here are some tips that you would follow when using your air conditioner.

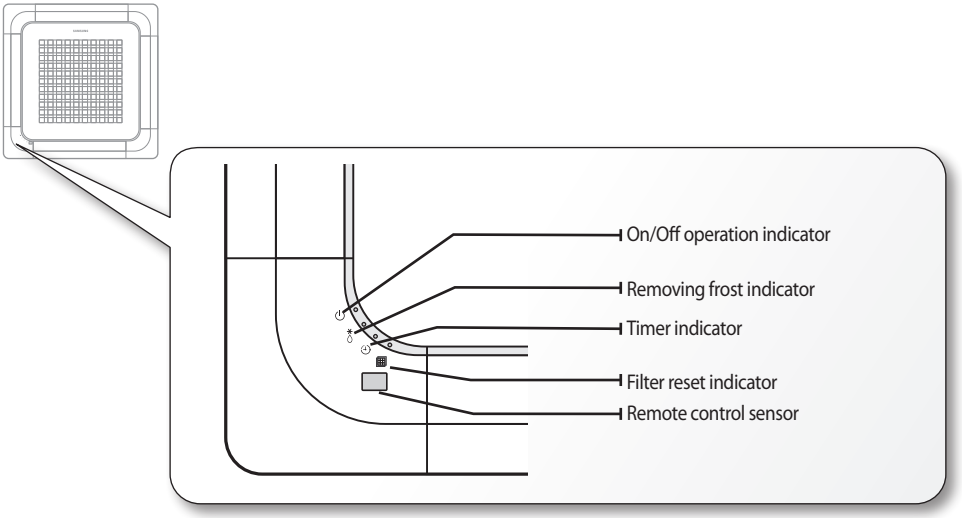
TOPIC	RECOMMENDATION
Cooling	• If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness. • Avoid drastically turning down the temperature. Energy is wasted and the room does not cool faster.
Heating	• Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperatures are extremely low. If you feel the air conditioner insufficiently heats, using an additional heating appliance in combination with the air conditioner is recommended.
Frost & De-ice	• When the air conditioner runs in Heat mode, due to temperature difference between the unit and the outside air, frost will form. If this happens: - The air conditioner stops heating. - The air conditioner will operate automatically in De-ice mode for 10 minutes. - The steam produced on the outdoor unit in De-ice mode is safe. No intervention is required; after about 10 minutes, the air conditioner operates again normally. ❄The unit will not operate when it starts to de-ice.
Fan	• Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.
High indoor/outdoor temperatures	• If both indoor and outdoor temperatures are high and the air conditioner is running in Heat mode, the outdoor unit's fan and compressor may stop at times. This is normal; wait until the air conditioner turns on again.
Power failure	• If a power failure occurs during the operation of the air conditioner, the operating immediately stops and unit will be off. When power returns, the air conditioner will run automatically.
Protection mechanism	• If the air conditioner has just been turned on after operation stops or being plugged in, cool/warm air does not come out for 3 minutes to protect the compressor of the outdoor unit.
Automatic air flow blade control	• If the air conditioner is operating in abnormal conditions (such as operating the air conditioner with windows open or when small capacity indoor unit is installed and operating in a room that is too large) indoor can become very humid when the angle of the air flow blade is small and performance of the product may decrease. When indoor humidity increases, indoor unit will automatically detect it and open the air flow blade in wider angle to make sure that performance of the product is stable.

Viewing the parts

Main parts



Indicator



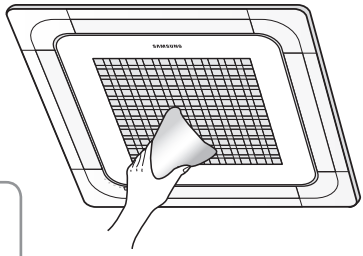
NOTE

- Your air conditioner and display may look slightly different from the illustration shown above depending on your model.

Cleaning and maintaining the air conditioner

Cleaning the exterior

Wipe the surface of the unit with a slightly wet or dry cloth when needed.
Wipe off dirt of odd-shaped area by using a soft brush.



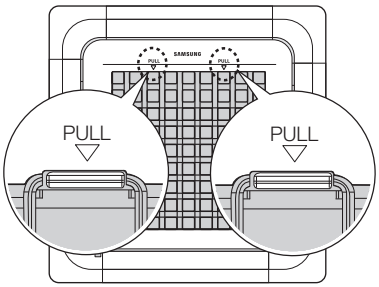
CAUTION

- Do not use Benzene or Thinner.
  They may damage the surface of the air conditioner and can create a risk of fire.

Cleaning air filter and grille

Open the front grille.

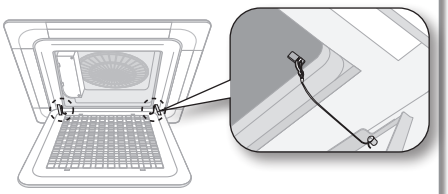
▶ Pull both hooks and take the grille downward. Two safety clips are mounted to the front grille to prevent it from dropping.



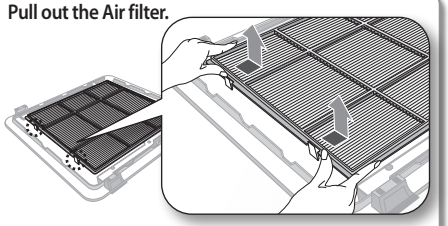
Detach the front grille.

▶ Remove the safety clip from panel front. (There are two safety clips between grille and panel base.)

❊ If you want to clean the filter only, you do not have to detach the grille. Follow step 4 and 5



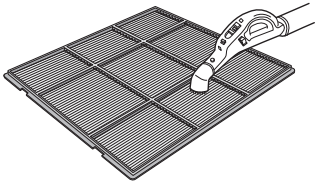
Pull out the Air filter.



Clean the grille and Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.

▶ For best conditions, repeat every two weeks.

▶ If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.



Insert the Air filter back in its original position.

▶ You will hear a click sound when the Air filter is properly placed.

Attach the front grille.

▶ Reverse the above steps to attach the front grille.

NOTE

- The illustration shown above may differ from yours depending on your model.
- After cleaning the filter, press the **Filter Reset** button on the remote control for 2 seconds to reset the filter schedule. Filter sign indicator will be on for cleaning time.
- If the angle on the air flow blades has been changed by user due to opening the front grille for installation or maintenance, you must turn off the circuit breaker and turn it on again before using the air conditioner. Otherwise, angles of the each angle can be different or some of the blade may not close when the product is off.

Cleaning and maintaining the air conditioner

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition.

- ▶ Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and disconnect the power plug. There may be internal damage if moisture is left in components.
- ▶ Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.

Periodical checks

Refer to the following chart to maintain the air conditioner properly.

Type	Description	Monthly	Every 4 months	Once a year
Indoor unit	Clean the air filter (1)	●		
	Clean the condensate drain pan (2)			●
	Thoroughly clean the heat exchanger (2)			●
	Clean the condensate drain pipe (2)		●	
	Replace the remote control batteries (1)			●
Outdoor unit	Clean the heat exchanger on the outside of the unit (2)		●	
	Clean the heat exchanger on the inside of the unit (2)			●
	Clean the electric components with jets of air (2)			●
	Verify that all the electric components are firmly tightened (2)			●
	Clean the fan (2)			●
	Verify that all the fan assembly is firmly tightened (2)			●
	Clean the condensate drain pan (2)			●

● : This check mark requires checking the indoor/outdoor unit periodically, following to the description to maintain the air conditioner properly.

NOTE
(1) The described operations should be performed more frequently if the area of installation is very dusty.
(2) These operations must always be performed by qualified personnel. For more detailed information, see the installation part in the manual.

Troubleshooting

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not operate immediately after it has been restarted.	• Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
The air conditioner does not work at all.	• Check that the power plug is properly connected. Insert the power plug into the wall socket correctly. • Check if the circuit breaker is switched off. • Check if there is a power failure. • Check your fuse. Make sure it is not blown out.
The temperature does not change.	• Check if you selected Fan mode. Press the **Mode** button on the remote control to select another mode.
The cool (warm) air does not come out of the air conditioner.	• Check if the set temperature is higher (lower) than the current temperature. Press the **Temperature** button on the remote control to change the set temperature. Press the **Temperature** button to decrease or increase the temperature. • Check if the air filter is blocked by dirt. Clean the air filter every two weeks. • Check if the air conditioner has just been turned on. If so, wait 3 minutes. Cool air does not come out to protect the compressor of the outdoor unit. • Check if the air conditioner is installed in a place with a direct exposure to sunlight. Hang curtains on windows to boost cooling efficiency. • Check if the cover or any obstacle is not near the outdoor unit. • Check if the refrigerant pipe is too long. • Check if the air conditioner is only available in Cool mode. • Check if the remote control is only available for cooling model.
The fan speed does not change.	• Check if you selected Auto or Dry mode. The air conditioner automatically adjusts the fan speed to Auto in Auto/Dry mode.
Timer function does not set.	• Check if you press the **Set** button on the remote control after you have set the time.
Odors permeate in the room during operation.	• Check if the appliance is running in a smoky area or if there is a smell entering from outside. Operate the air conditioner in Fan mode or open the windows to air out the room.
The air conditioner makes a bubbling sound.	• A bubbling sound may be heard when the refrigerant is circulating through the compressor. Let the air conditioner operate in a selected mode. • When you press the **Power** button on the remote control, noise may be heard from the drain pump inside the air conditioner.
Water is dripping from the air flow blades.	• Check if the air conditioner has been cooling for an extended period of time with the air flow blades pointed downwards. Condensation may generate due to the difference in temperature.
Remote control is not working.	• Check if your batteries are depleted. • Make sure batteries are correctly installed. • Make sure nothing is blocking your remote control sensor. • Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.
The air conditioner does not turn on or off with the wired remote control.	• Check if you set the wired remote control for group control.
The wired remote control does not operate.	• Check if TEST indicator is displayed on the wired remote control. If so, turn off the unit and switch off the circuit breaker. Call your nearest contact center.
The indicators of the digital display flashes.	• Press the **Power** button on the remote control to turn the unit off and switch the circuit breaker off. Then, switch it on again.

Safety precautions

Carefully follow the precautions listed below because they are essential to guarantee the safety of the equipment.

WARNING

- Always disconnect the air conditioner from the power supply before servicing it or accessing its internal components.
- Verify that installation and testing operations are performed by qualified personnel.
- Verify that the air conditioner is not installed in an easily accessible area.

General information

- Carefully read the content of this manual before installing the air conditioner and store the manual in a safe place in order to be able to use it as reference after installation.
- For maximum safety, installers should always carefully read the following warnings.
- Store the operation and installation manual in a safe location and remember to hand it over to the new owner if the air conditioner is sold or transferred.
- This manual explains how to install an indoor unit with a split system with two SAMSUNG units. The use of other types of units with different control systems may damage the units and invalidate the warranty. The manufacturer shall not be responsible for damages arising from the use of non compliant units.
- The air conditioner is compliant with the requirements of the Low Voltage Directive (72/23/EEC), the EMC Directive (89/336/EEC) and the Directive on pressurized equipment (97/23/EEC).
- The manufacturer shall not be responsible for damage originating from unauthorized changes or the improper connection of electric and requirements set forth in the "Operating limits" table, included in the manual, shall immediately invalidate the warranty.
- The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be installed in areas used for laundry.
- Do not use the units if damaged. If problems occur, switch the unit off and disconnect it from the power supply.
- In order to prevent electric shocks, fires or injuries, always stop the unit, disable the protection switch and contact SAMSUNG's technical support if the unit produces smoke, if the power cable is hot or damaged or if the unit is very noisy.
- Always remember to inspect the unit, electric connections, refrigerant tubes and protections regularly. These operations should be performed by qualified personnel only.
- The unit contains moving parts, which should always be kept out of the reach of children.
- Do not attempt to repair, move, alter or reinstall the unit. If performed by unauthorized personnel, these operations may cause electric shocks or fires.
- Do not place containers with liquids or other objects on the unit.
- All the materials used for the manufacture and packaging of the air conditioner are recyclable.
- The packing material and exhaust batteries of the remote controller(optional) must be disposed of in accordance with current laws.
- The air conditioner contains a refrigerant that has to be disposed of as special waste. At the end of its life cycle, the air conditioner must be disposed of in authorized centers or returned to the retailer so that it can be disposed of correctly and safely.

Installing the unit

IMPORTANT: When installing the unit, always remember to connect first the refrigerant tubes, then the electrical lines.
Always disassemble the electric lines before the refrigerant tubes.

- Upon receipt, inspect the product to verify that it has not been damaged during transport. If the product appears damaged, DO NOT INSTALL it and immediately report the damage to the carrier or retailer (if the installer or the authorized technician has collected the material from the retailer.)
- After completing the installation, always carry out a functional test and provide the instructions on how to operate the air conditioner to the user.
- Do not use the air conditioner in environments with hazardous substances or close to equipment that release free flames to avoid the occurrence of fires, explosions or injuries.
- Our units should be installed in compliance with the spaces shown in the installation manual, to ensure accessibility from both sides and allow repairs or maintenance operations to be carried out. The unit's components should be accessible and easy to disassemble without endangering people and objects.
  For this reason, when provisions of the installation manual are not complied with, the cost required to access and repair the units (in SAFETY CONDITIONS, as set out in prevailing regulations) with harnesses, ladders, scaffolding or any other elevation system will NOT be considered part of the warranty and will be charged to the end customer.

Power supply line, fuse or circuit breaker

- Always make sure that the power supply is compliant with current safety standards. Always install the air conditioner in compliance with current local safety standards.
- Always verify that a suitable grounding connection is available.
- Verify that the voltage and frequency of the power supply comply with the specifications and that the installed power is sufficient to ensure the operation of any other domestic appliance connected to the same electric lines.
- Always verify that the cut-off and protection switches are suitably dimensioned.
- Verify that the air conditioner is connected to the power supply in accordance with the instructions provided in the wiring diagram included in the manual.
- Always verify that electric connections (cable entry, section of leads, protections…) are compliant with the electric specifications and with the instructions provided in the wiring scheme. Always verify that all connections comply with the standards applicable to the installation of air conditioners.
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.

CAUTION

- Make sure that you earth the cables.
  - Do not connect the earth wire to the gas pipe, water pipe, lighting rod or telephone wire. If earthing is not complete, electric shock or fire may occur.
- Install the circuit breaker.
  - If the circuit breaker is not installed, electric shock or fire may occur.
- Make sure that the condensed water dripping from the drain hose runs out properly and safely.
- Install the power cable and communication cable of the indoor and outdoor unit at least 1m away from the electric appliance.
- Install the indoor unit away from lighting apparatus using the ballast.
  - If you use the wireless remote control, reception error may occur due to the ballast of the lighting apparatus.
- Do not install the air conditioner in following places.
  - Place where there is mineral oil or arsenic acid. Resin parts flame and the accessories may drop or water may leak. The capacity of the heat exchanger may reduce or the air conditioner may be out of order.
  - The place where corrosive gas such as sulfurous acid gas generates from the vent pipe or air outlet. The copper pipe or connection pipe may corrode and refrigerant may leak.
  - The place where there is a machine that generates electromagnetic waves. The air conditioner may not operate normally due to control system.
  - The place where there is a danger of existing combustible gas, carbon fiber or flammable dust. The place where thinner or gasoline is handled. Gas may leak and it may cause fire.

Preparation for installation

When deciding on the location of the air conditioner with the owner, the following restrictions must be taken into account.

General

Do NOT install the air conditioner in a location where it will come into contact with the following elements :

- Combustible gases
- Saline air
- Machine oil
- Sulphide gas
- Special environmental conditions

If you must install the unit in such conditions, first consult your dealer.

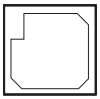
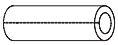
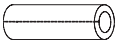
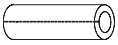
Avoid installing the air conditioner :

- In areas where it is exposed to direct sunlight. Close to heat sources.
- In damp areas or locations where it could come into contact with water. (for example rooms used for laundry)
- In areas where curtains and furniture could affect the supply and discharge of air.
- Without leaving the required minimum space around the unit. (as shown in the drawing)
- In scarcely ventilated areas.
- On surfaces that are unable to support the weight of the unit without deforming, breaking or causing vibrations during the use of the air conditioner.
- In a position that does not enable the condensate drainage pipe to be correctly installed. (at the end of the installation. It is always essential to check the efficiency of the drainage system)

Preparation for installation

Accessories

- The following accessories are supplied with the indoor unit.
  The type and quantity may differ depending on the specifications.

Pattern sheet(1) 	Thermal insulation sponge A(1) 	Thermal insulation sponge B(1) 	Thermal insulation sponge C(1) 
Flexible hose(1)	Cable-tie(6)	Flexible hose clamp(1)	user& Installation manual(1)

Deciding on where to install the indoor unit

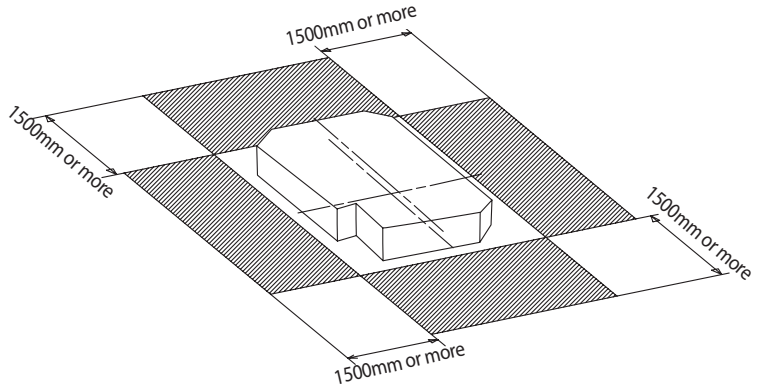
Indoor unit

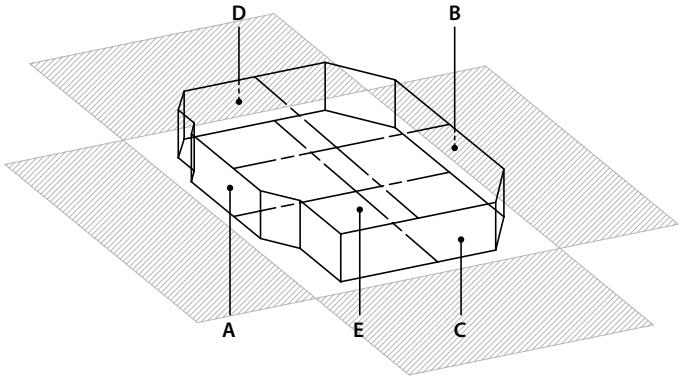
- There must be no obstacles near the air inlet and outlet.
- Install the indoor unit on a ceiling that can support its weight.
- Maintain sufficient clearance around the indoor unit.
- Make sure that the water dripping from the drain hose runs away correctly and safely.
- The indoor unit must be installed in this way, that they are out of public access. (Not touchable by the users)

CAUTION

- If you install the cassette type indoor unit on the ceiling with humidity over 80%, you must apply extra 10mm of polyethylene foam or other insulation with similar material on the body of the indoor unit.

Space requirements for indoor unit





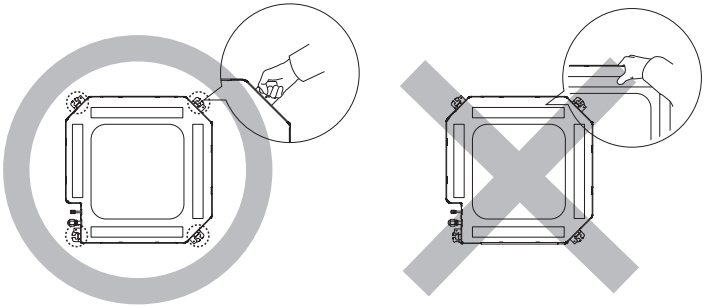
Thickness: more than 10mm

Indoor Unit	A	B	C	D	E
✳✳026✳✳/✳✳035✳✳ ✳✳052✳✳/✳✳060✳✳	400x190	400x190	400x190	400x190	550x550

◆Insulate the end of the pipe and some curved area by using separate insulator.
◆Insulate the discharge and suction part at the same time when you insulate connection duct.

CAUTION

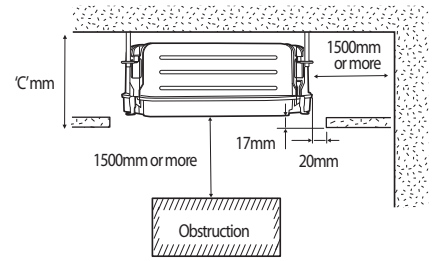
- The units must be installed according to distances declared, in order to permit accessibility from each side, either to guarantee correct operation of maintenance or repairing products.
  The unit's parts must be reachable and removable completely under safety condition (for people or things).



❉The appearance of the unit maybe different from the picture depending on the model.

- Do not hold the discharge while carrying the indoor unit to avoid the possibility of breakage. You must hold the hanger plate on the corner and carry the indoor unit.

Required space for an indoor unit installation

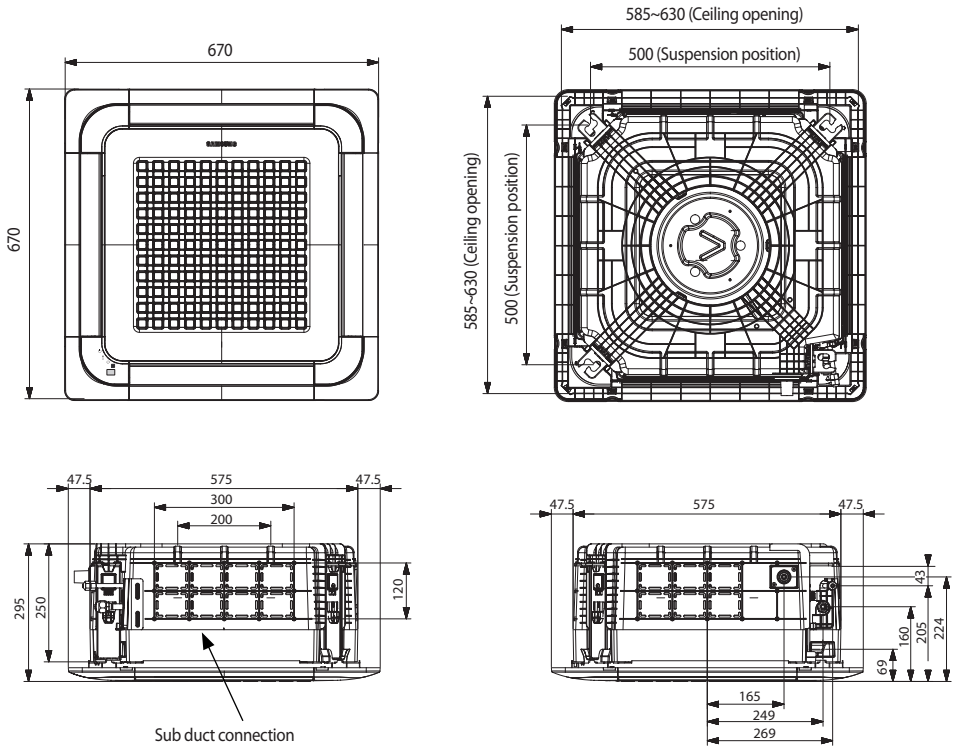


		MODEL
		✳✳026✳✳/✳✳035✳✳ ✳✳052✳✳/✳✳060✳✳
C	mm	297
Net dimension	mm	575*250*575

Deciding on where to install the indoor unit

Drawing of the indoor unit

Unit : mm

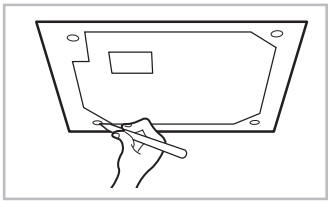


		MODEL		
		✶✶026✶✶	✶✶035✶✶	✶✶052✶✶ ✶✶060✶✶
Net dimension	mm	575*250*575	575*250*575	575*250*575
Net weight	kg	11.0	11.7	12.0
Liquid pipe connection		1/4"		
Gas pipe connection		3/8"	1/2"	5/8"
Drain Hose connection	mm	OD : Φ25 , ID : Φ20		

Indoor unit installation

When deciding on the location of the air conditioner with the owner, the following restrictions must be taken into account.

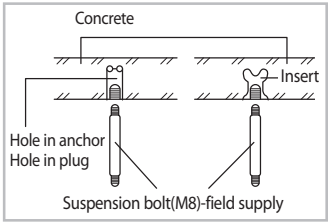
1. **Determine the position of the pipe and drain hose hole as seen in the picture and drill the hole with an inner diameter of 65mm so that it slants slightly downwards.**



NOTE

- Since the diagram is made of paper, it may shrink or stretch slightly due to temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.

2. **Insert bolt anchors, use existing ceiling supports or construct a suitable support as shown in figure.**

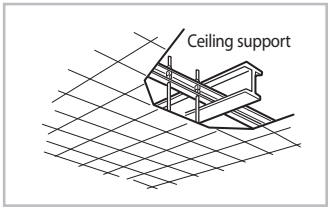


3. **Install the suspension bolts depending on the ceiling type.**

CAUTION

- Ensure that the ceiling is strong enough to support the weight of the indoor unit. Before hanging the unit, test the strength of each attached suspension bolt.
- If the length of suspension bolt is more than 1.5m, it is required to prevent vibration.
- The distance between a suspension bolt and the top of bracket (in indoor unit) not exceed 25mm(**between indoor pipe and hanger plate**).

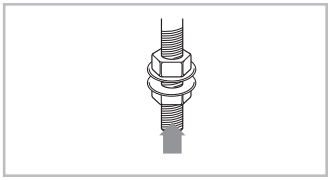
4. **Screw eight nuts to the suspension bolts making space for hanging the indoor unit.**



CAUTION

- You must install all the suspension rods.
- It is important to leave sufficient space in the false ceiling to allow access for maintenance or repairs to the drainage pipe connection, the refrigerant pipe connection, or to remove the unit if necessary.

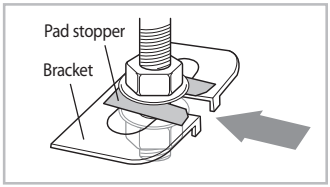
5. **Hang the indoor unit to the suspension bolts between two nuts.**



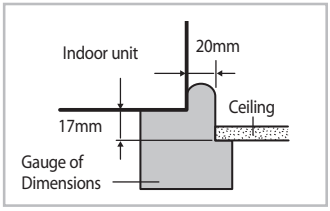
NOTE

- Piping must be laid and connected inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the piping into position for connection to the unit before placing the unit inside the ceiling.

6. **Screw the nuts to suspend the unit. Cut a pad stopper and place it on the bracket at this time.**



7. **Adjust the unit to the appropriate position considering the installation area for the front panel.**
   1) Place the pattern sheet on the indoor unit.
   2) Adjust a space between the ceiling and the indoor unit by using the gauge of dimensions.
   3) Fix the indoor unit securely after adjusting level of the unit by using a leveler.
   4) Remove the pattern sheet, connect the other cables and install the front panel.

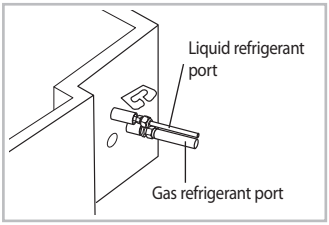


Purging the unit

From factory the unit is supplied and set with a pre-charge of nitrogen gas. (insert gas) Therefore, all insert gas must be purged before connecting the assembly piping.

Unscrew the pinch pipe at the end of each refrigerant pipe.

RESULT : All inert gas escapes from the indoor unit.



NOTE

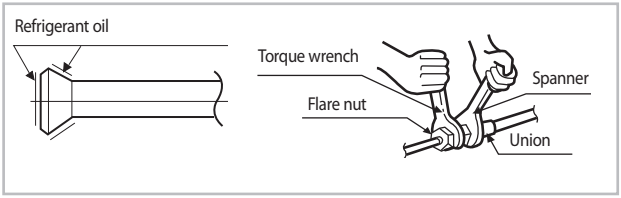
- To prevent dirt or foreign objects from getting into the pipes during installation, do NOT remove the pinch pipe completely until you are ready to connect the piping.

Connecting the refrigerant pipe

There are two refrigerant pipes of different diameters :

- A smaller one for the liquid refrigerant
- A larger one for the gas refrigerant
- The inside of copper pipe must be clean & has no dust

1. **Remove the pinch pipe on the pipes and connect the assembly pipes to each pipe, tightening the nuts, first manually and then with a torque wrench, a spanner applying the following torque.**

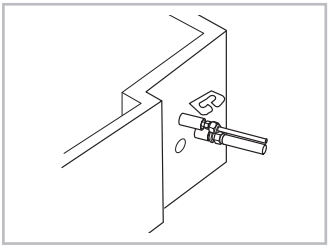


Outer Diameter (D)	Torque (N•m)
ø6.35 mm	18
ø9.52 mm	42
ø12.70 mm	55
ø15.88 mm	65
ø19.05 mm	100

NOTE

- If the pipes must be shortened refer to page 23.

2. **Must use insulator which is thick enough to cover the refrigerant tube to protect the condensate water on the outside of pipe falling onto the floor and the efficiency of the unit will be better.**
3. **Cut off any excess foam insulation.**
4. **Be sure that there must be no crack or wave on the bended area.**
5. **It would be necessary to double the insulation thickness(10mm or more) to prevent condensation even on the insulator when if the installed area is warm and humid.**



6. **Do not use joints or extensions for the pipes that connect the indoor and outdoor unit. The only permitted connections are those for which the units are designed.**

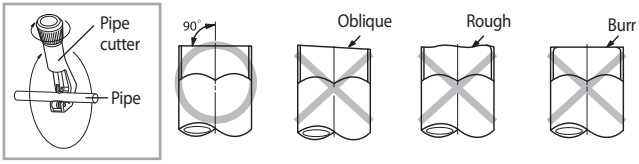
CAUTION

- Connect the indoor and outdoor units using pipes with flared connections(not supplied). For the lines, use insulated, unwelded, degreased and deoxidized copper pipe (Cu DHP type to ISO 1337 or UNI EN 12735-1), suitable for operating pressures of at least 4200kPa and for a burst pressure of at least 20700kPa. Copper pipe for hydro-sanitary applications is completely unsuitable.
- For sizing and limits (height difference, line length, max. bends, refrigerant charge, etc.) see the outdoor unit installation manual.
- All refrigerant connection must be accessible, in order to permit either unit maintenance or removing it completely.

Cutting/Flaring the pipes

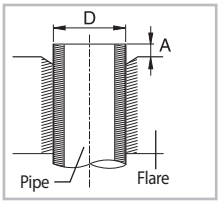
1. **Make sure that you have the required tools available. (pipe cutter, reamer, flaring tool and pipe holder)**

2. **If you wish to shorten the pipes, cut it with a pipe cutter, taking care to ensure that the cut edge remains at a 90° angle with the side of the pipe. Refer to the illustrations below for examples of edges cut correctly and incorrectly.**



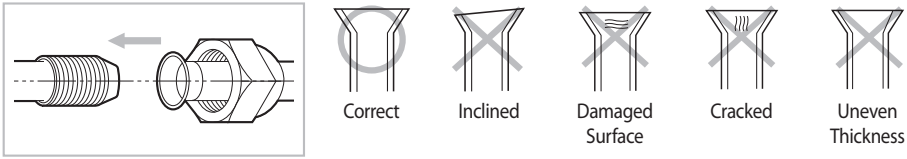
3. **To prevent any gas from leaking out, remove all burrs at the cut edge of the pipe, using a reamer.**

4. **Slide a flare nut on to the pipe and modify the flare.**



Outer Diameter (D)	Depth (A)
ø6.35 mm	1.3 mm
ø9.52 mm	1.8 mm
ø12.70 mm	2.0 mm
ø15.88 mm	2.2 mm
ø19.05 mm	2.2 mm

5. **Check that the flaring is correct, referring to the illustrations below for examples of incorrect flaring.**



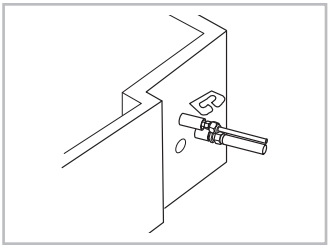
6. **Align the pipes and tighten the flare nuts first manually and then with a torque wrench, applying the following torque.**

Valve	Flare nut		Valve cap		Pressure port cap		Valve needle		Pressure port	
	Wrench(mm)	N•m	Wrench(mm)	N•m	Wrench(mm)	N•m	Wrench(mm)	N•m	Wrench(mm)	N•m
1/4"	17	18	23	20	18	16~18	Allen(hex.) 5	9	-	0.34
3/8"	22	42	23	20	18	16~18	Allen(hex.) 5	9	-	0.34
1/2"	26	55	29	40	18	16~18	Allen(hex.) 5	13	-	0.34
5/8"	29	65	29	40	18	16~18	Allen(hex.) 5	13	-	0.34
3/4"	36	100	38	40	18	16~18	Allen(hex.) 5	13	-	0.34

CAUTION
- If the pipes require brazing ensure that OFN (Oxygen Free Nitrogen) is flowing through the system.
- Nitrogen blowing pressure range is 0.02 ~ 0.05MPa.

Performing leak test & insulation

Leak test



To identify potential gas leaks on the indoor unit, inspect the connection area of each refrigerant pipe using a leak detector for R410A.

Before recreating the vacuum and recirculating the refrigerant gas, it is advisable to pressurize the whole system with nitrogen (using a cylinder with pressure reducer) at a pressure above 40 bar in order to immediately detect leaks on the refrigerant fittings.

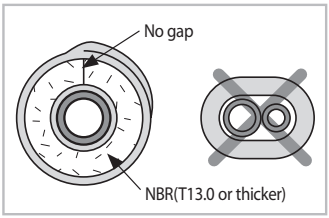
Made vacuum for 15 minutes and pressurising system with nitrogen.

CAUTION
- If the pipes require brazing ensure that OFN (Oxygen Free Nitrogen) is flowing through the system.

Insulation

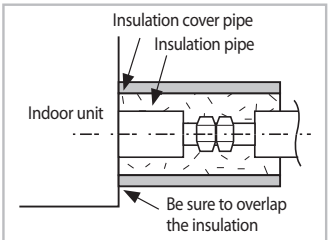
Once you have checked that there are no leaks in the system, you can insulate the piping and hose.

1 To avoid condensation problems, place T13.0 or thicker Acrylonitrile Butadien Rubber separately around each refrigerant pipe.



NOTE
- Always make the seam of pipes face upwards.

CAUTION
- The insulation has to be produced in full compliance of European regulation reg. EEC / EU 2037/ 2000 that requires the use of sheaths insulation form without using CFC and HCFC gases for health and the environment.



CAUTION
- Must fit tightly against body without any gap.

2 Wind insulating tape around the pipes and drain hose avoiding to compress the insulation too much.

3 Finish wrapping insulating tape around the rest of the pipes leading to the outdoor unit.

4 The pipes and electrical cables connecting the indoor unit with the outdoor unit must be fixed to the wall with suitable ducts.

CAUTION
- All refrigerant connection must be accessible, in order to permit either unit maintenance or removing it completely.

5 Select the insulation of the refrigerant pipe.

◆ Insulate the gas side and liquid side pipe referring to the thickness according to the pipe size.

◆ Indoor temperature of 30°C and humidity of less than 85% is the standard condition.
If installing in a high humidity condition, use one grade thicker insulator by referring to the table below.
If installing in an unfavorable conditions, use thicker one.

◆ Insulator's heat-resistance temperature should be more than 120°C.

Pipe	Pipe size	Insulation Type (Heating/Cooling)		Remarks
		Standard [30°C, less than 85%]	High humidity [30°C, over 85%]	
		EPDM, NBR		
Liquid pipe	Ø6.35 ~ Ø9.52	9t	9t	Internal temperature is higher than 120°C
	Ø12.7 ~ Ø19.05	13t	13t	
Gas pipe	Ø6.35	13t	19t	
	Ø9.52	19t	25t	
	Ø12.70			
	Ø15.88			
	Ø19.05			

◆ When installing insulation in places and conditions below, use the same insulation that is used for high humidity conditions.
<Geological condition>
- High humidity places such as shoreline, hot spring, near lake or river, and ridge (when the part of the building is covered by earth and sand.)
<Operation purpose condition>
- Restaurant ceiling, sauna, swimming pool etc.
<Building construction condition>
- The ceiling frequently exposed to moisture and cooling is not covered.
e.g. The pipe installed at a corridor of a dormitory and studio or near an exit that opens and closes frequently.
- The place where the pipe is installed is highly humid due to the lack of ventilation system.

Drainpipe and drain hose installation

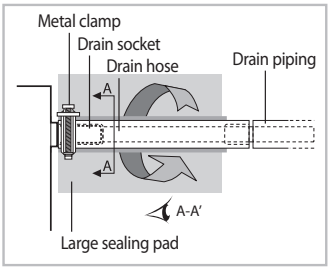
1 **Push the supplied drain hose as far as possible over the drain socket.**

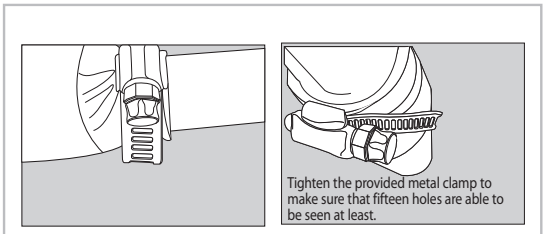
2 **Tighten the metal clamp as shown in the picture.**

3 **Wrap the supplied large sealing pad over the metal clamp and drain hose to insulate and fix it with clamps.**

4 **Insulate the complete drain piping inside the building (field supply).**
If the drain hose cannot be sufficiently set on a slope, fit the hose with drain raising piping (field supply).

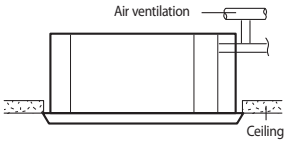
5 **Push the drain hose up to insulation when connecting the drain hose to drain socket.**



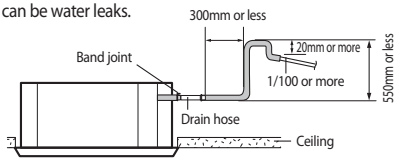


CAUTION **Check that the indoor unit is level with the ceiling by using the leveler.**

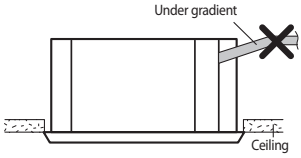
Install air ventilation to drain condensate water smoothly.



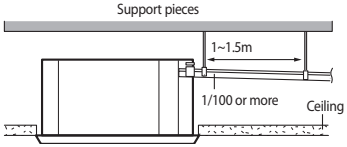
If it is necessary to increase the height of the drainpipe, install the drainpipe straightly within 300 mm from the drain hose port. If it is raised higher than 550 mm, there can be water leaks.



Do not give the hose and upward gradient after the connection port. This will cause water to flow backwards when the unit is stopped, resulting in water leaks.



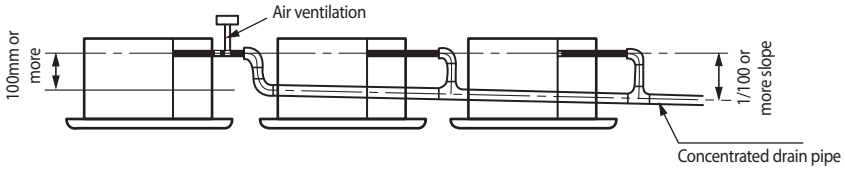
Do not apply force to the piping on the unit side when connecting the drain hose. The hose should not be allowed to hang loose from its connection to the unit. Fasten the hose to a wall, frame or other support as close to the unit as possible.



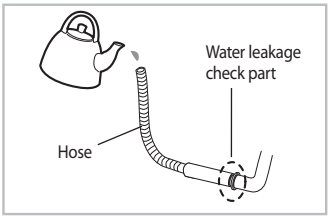
Drainpipe and drain hose installation

NOTE

- If a concentrated drain pipe is installed, refer to the figure below.



Performing leak test

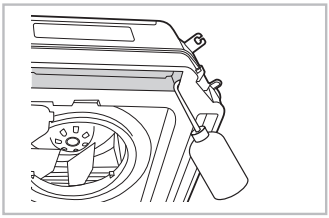


1. Check the leak test at the connection part of the flexible hose and the distributing pipe (PVC).

1) Connect a general hose to the connection part of the flexible hose of the indoor unit, and pour in some water.

2) After pouring some water, reassemble the rubber cap on the connection part of a flexible hose of the indoor unit and tighten it with a band firmly to prevent leakage.

3) Check the leak test at the part where the adhesive for the flexible hose and the distributing pipe is used.



CAUTION

- The leak test should be performed for more than 24hours at least.

2. Check the condensed water drainage.

1) Pour about 2 liters of water into the indoor unit drain board as shown in the picture.

2) When the electric cable connection is completed

◆ Turn the indoor unit and outdoor unit on.

◆ Operate the Cool mode.

CAUTION

- Only in Cool mode, you can check the correct operation of the drain pump.

When the electric cable connection has not been completed.

◆ Remove the control box cover of the indoor unit.

◆ Connect the power supply of 220V, 50Hz to L, N terminal.

◆ Reassemble the control box cover and turn on the indoor unit.

CAUTION

- When the float switch is not detected due to insufficient water on the drain board, the drain pump will not work.
- If power supply is directly connected to L, N terminal, communication error message might appear.
- After completing the drainage check, turn the unit off and disconnect the power supply.
- Reassemble the control box cover.

3) Check whether the drain pump works correctly.

4) Check whether the drainage is performing correctly at the end of the drain pipe.

5) Check for leakage at the drain pipe and drain pipe connection part.

6) When leakage occurs, check whether the indoor unit is level and check the drain hose connection part, drainpipe connection part and drain pump connection.

7) When the drainage check is completed and the condensed water remains on the drain board, remove the water.

Connecting the connection cord

CAUTION

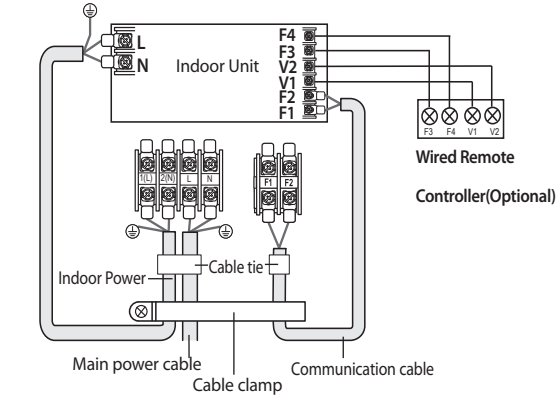
- Always remember to connect the refrigerant pipes before performing the electric connections. When disconnecting the system, always disconnect the electric cables before disconnecting the refrigerant pipes.
- Always remember to connect the air conditioner to the grounding system before performing the electric connections.

The indoor unit is powered by the outdoor unit by means of a H07 RN-F connection cable (or a more power model), with insulation in synthetic rubber and jacket in polychloroprene(neoprene), in accordance with the requirements of standard EN 60335-2-40.

1. **Remove the screw on the electrical component box and remove the cover plate.**
2. **Route the connection cord through the side of the indoor unit and connect the cable to terminals; refer to the figure below.**
3. **Route the other end of the cable to the outdoor unit through the ceiling & the hole on the wall.**
4. **Reassemble the electrical component box cover, carefully tightening the screw.**

Wiring diagram

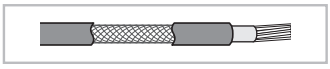
1 phase



Between Indoor and Outdoor Connection cable Specifications(Common in use)

Indoor Power supply			Communication Cable
Power Supply	Max/Min(V)	Indoor Power cable	
220-240V~/50Hz	±10%	0.75~1.5mm^2,3wires	0.75~1.5mm^2,2wires

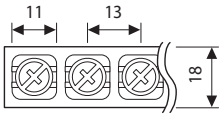
※ For connection cable, use the grade H07RN-F or H05RN-F materials.
※ Screws on terminal block must not be unscrewed with the torque less than 12 kgf•cm.
※ Since it has the external power supply, refer to the outdoor unit installation manual for MAIN POWER.



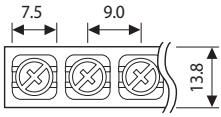
When installing the indoor unit in a computer room, use the double shielded(Tape aluminum / polyester braid + copper) cable of FROHH2R type.

Terminal Block SPEC (Indoor)

AC POWER : M4 SCREW



COMMUNICATION : M3.5 SCREW

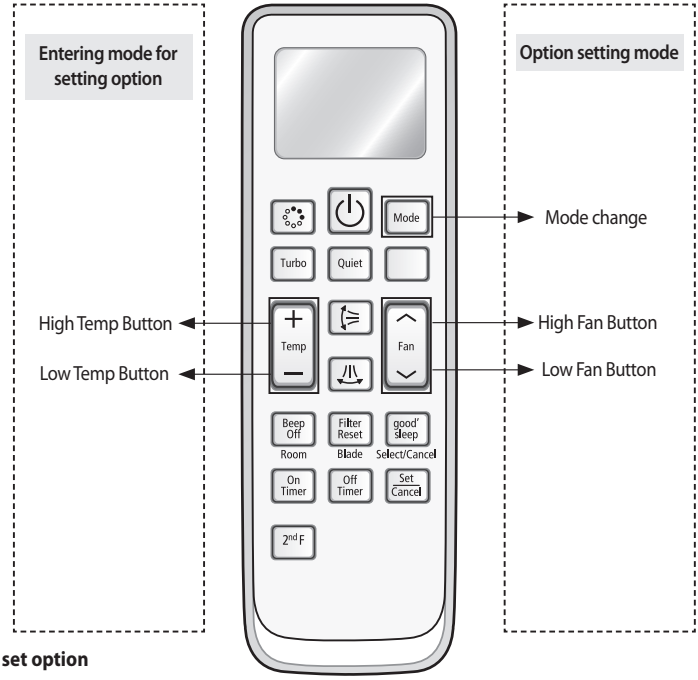


Tightening Torque (kgf • cm)	
M3.5	8.0~10.0
M4	12.0~15.0

Setting an indoor unit address and installation option

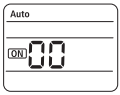
- Set the indoor unit address and installation option with remote controller option.
  Set the each option separately since you cannot set the ADDRESS setting and indoor unit installation setting option at the same time.You need to set twice when setting indoor unit address and installation option.
- Please use the proper wireless remocon which can set 24 digit option code. Following is the instructions of setting option code with wireless remocon of MR-DH00. (MR-AH01 can be used for operating but cannot be used for setting the installation option because only 12 digit option setting is available.
- Please refer to the wired remocon installation manual for setting with the wired remocon.

The procedure of setting option



Step 1. Entering mode to set option

1. Remove batteries from the remote controller.
2. Insert batteries and enter the option setting mode while pressing High Temp button and Low Temp button.

3. 

Check if you have entered the option setting status.

Step 2. The procedure of option setting

After entering the option setting status, select the option as listed below.

CAUTION

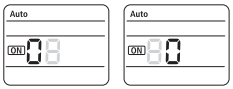
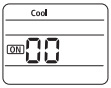
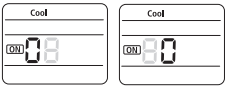
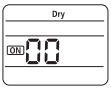
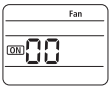
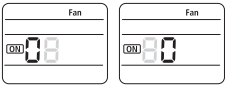
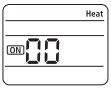
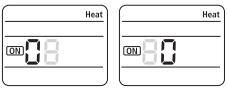
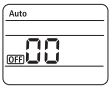
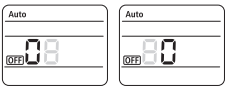
Option setting is available from SEG1 to SEG 24

- SEG1, SEG7, SEG13, SEG18 arenot need to be set at MR-DH00. They are the page options which were used at the previous other remocons.
- Set the each 2 bit option code in order except page options.

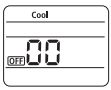
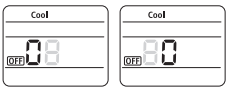
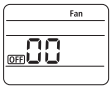
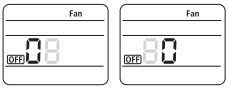
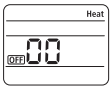
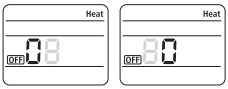
For example : SEG2, 3 → SEG4, 5 → SEG6, 8 → SEG9, 10 → SEG11, 12 → SEG 14, 15 → SEG 16, 17 → SEG 18, 20 → SEG 21, 22 → SEG23, 24.

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
0	X	X	X	X	X	1	X	X	X	X	X
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18	SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
2	X	X	X	X	X	3	X	X	X	X	X

On(SEG1~12)	Off(SEG13~24)

Option setting	Status
1. Setting SEG2, SEG3 option Press Low Fan button(∨) to enter SEG2 value. Press High Fan button(∧) to enter SEG3 value. Each time you press the button, 0→1→··· E→ F will be selected in rotation.	 SEG2 SEG3
2. Setting Cool mode Mode Press Mode button to be changed to Cool mode in the ON status.	
3. Setting SEG4, SEG5 option Press Low Fan button(∨) to enter SEG4 value. Press High Fan button(∧) to enter SEG5 value. Each time you press the button, 0→1→··· E→F will be selected in rotation.	 SEG4 SEG5
4. Setting Dry mode Mode Press Mode button to be changed to DRY mode in the ON status.	
5. Setting SEG6, SEG8 option Press Low Fan button(∨) to enter SEG6 value. Press High Fan button(∧) to enter SEG8 value. Each time you press the button, 0→1→··· E→F will be selected in rotation.	 SEG6 SEG8
6. Setting Fan mode Mode Press Mode button to be changed to FAN mode in the ON status.	
7. Setting SEG9, SEG10 option Press Low Fan button(∨) to enter SEG9 value. Press High Fan button(∧) to enter SEG10 value. Each time you press the button, 0→1→··· E→F will be selected in rotation.	 SEG9 SEG10
8. Setting Heat mode Mode Press Mode button to be changed to HEAT mode in the ON status.	
9. Setting SEG11, SEG12 option Press Low Fan button(∨) to enter SEG11 value. Press High Fan button(∧) to enter SEG12 value. Each time you press the button, 0→1→··· E→F will be selected in rotation.	 SEG11 SEG12
10. Setting Auto mode Mode Press Mode button to be changed to AUTO mode in the OFF status.	
11. Setting SEG14, SEG15 option Press Low Fan button(∨) to enter SEG14 value. Press High Fan button(∧) to enter SEG15 value. Each time you press the button, 0→1→··· E→F will be selected in rotation.	 SEG14 SEG15

Setting an indoor unit address and installation option

Option setting	Status
12. Setting Cool mode Mode Press Mode button to be change to Cool mode in the OFF status.	
13. Setting SEG16, SEG17 option Press Low Fan button(∨) to enter SEG16 value. Press High Fan button(∧) to enter SEG17 value. Each time you press the button, 0→1→···E→F will be selected in rotation.	 SEG16 SEG17
14. Setting Dry mode Mode Press Mode button to be change to Dry mode in the OFF status.	
15. Setting SEG18, SEG20 option Press Low Fan button(∨) to enter SEG18 value. Press High Fan button(∧) to enter SEG20 value. Each time you press the button, 0→1→···E→F will be selected in rotation.	 SEG18 SEG20
16. Setting Fan mode Mode Press Mode button to be change to Fan mode in the OFF status.	
17. Setting SEG21, SEG22 option Press Low Fan button(∨) to enter SEG21 value. Press High Fan button(∧) to enter SEG22 value. Each time you press the button, 0→1→···E→F will be selected in rotation.	 SEG21 SEG22
18. Setting Heat mode Mode Press Mode button to be change to HEAT mode in the OFF status.	
19. Setting SEG23, SEG24 mode Press Low Fan button(∨) to enter SEG23 value. Press High Fan button(∧) to enter SEG24 value. Each time you press the button, 0→1→···E→F will be selected in rotation.	 SEG23 SEG24

Step 3. Check the option you have set

After setting option, press Mode button to check whether the option code you input is correct or not.

Option	[SEG2,3]	[SEG4,5]	[SEG6,8]	[SEG9,10]	[SEG11,12]
Remote Controller Display					
Option	[SEG14,15]	[SEG16,17]	[SEG18,20]	[SEG21,22]	[SEG23,24]
Remote Controller Display					

Step 4. Input option

Press operation button ⏻ with the direction of remote control for set.
For the correct option setting, you must input the option twice.

Step 5. Check operation

1. Reset the indoor unit by pressing the RESET button of indoor unit or outdoor unit.
2. Take the batteries out of the remote controller and insert them again and then press the operation button.

Setting an indoor unit address (MAIN/RMC)

1. **Check whether power is supplied or not.**
   - When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
2. **The panel(display) should be connected to an indoor unit to receive option.**
3. **Before installing the indoor unit, assign an address to the indoor unit according to the air conditioning system plan.**
4. **Assign an indoor unit address by wireless remote controller.**

-The initial indoor unit ADDRESS is set as "MAIN : 0, RMC : 0".
-Set Main and RMC Address only the setting is required.
-There is no need to assign the indoor unit Main Address if the outdoor unit is addressing automatically.
The indoor unit Main address will follow the outdoor unit's automatically.
-Assign 12 digit when setting the indoor unit address.
-No need to assign SEG4, 5, 8, 10 which are non applicable. Even though those segments are set, they will be ignored.
-If you set the applicable segments with numbers other than the indiciated, the initial setting will be maintained.

Option No. : 0AXXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG1		SEG2		SEG3		SEG4	SEG5	SEG6	
Explanation	PAGE		MODE		Setting Main address		RESERVED	RESERVED	The unit digit of an indoor unit	
Indication and Details	Indication	Details	Indication	Details	Indication	Details			Indication	Details
	0		A		0	No Main address			0~3(ACN*)	A single digit
					1	Main address setting mode			0~4 (AJN*)	

Option	SEG7		SEG8	SEG9		SEG10	SEG11		SEG12	
Explanation	PAGE		RESERVED	Setting RMC address		RESERVED	Group channel(*16)		Group address	
Indication and Details	Indication	Details		Indication	Details		Indication	Details	Indication	Details
	1			0	No RMC address		RMC1	0~2	RMC2	0~F
				1	RMC address setting mode					

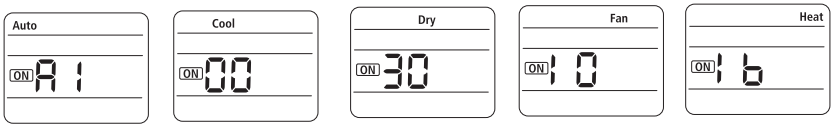
*SEG6: AJN** models should check maximum installation indoor unit number of outdoor unit. (Indoor1: 0, Indoor2: 1, ~)

CAUTION
- When "A"~"F" is entered to SEG5~6, the indoor unit MAIN ADDRESS is not changed.
- If you set the SEG 3 as 0, the indoor unit will maintain the previous MAIN ADDRESS even if you input the option value of SEG6.
- If you set the SEG 9 as 0, the indoor unit will maintain previous RMC ADDRESS even if you input the option value of SEG11~12.

Example) If you want to set as "MAIN : 3, CHANNEL : 1, RMC : B",

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	A	1	-	-	3
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	-	1	-	1	B

assign option codes except SEG 1, 7 which are page options.



Setting an indoor unit address and installation option

Setting an indoor unit installation option (suitable for the condition of each installation location)

1. Check whether power is supplied or not.
   - When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
2. The panel(display) should be connected to an indoor unit to receive option.
3. Set the installation option according to the installation condition of an air conditioner.
   - The default setting of an indoor unit installation option is "02000-100000-200000-300000".
   - Individual control of a remote controller(SEG20) is the function that controls an indoor unit individually when there is more than one indoor unit.
   - No need to assign SEG3, 6, 9, 10, 11, 16, 21, 22, 23, 24 which are non applicable. Even though those segments are set, they will be ignored.
   - If you set the applicable segments with numbers other than the indiciated, the initial setting will be maintained.
4. Set the indoor unit option by wireless remote controller.

Option No. : 02XXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG1		SEG2		SEG3	SEG4		SEG5		SEG6	
Explanation	PAGE		MODE		RESERVED	Use of external temperature sensor		Use of central control		RPM setting compensation	
Indication and Details	Indication	Details	Indication	Details		Indication	Details	Indication	Details	0. Not used 1. High ceiling mode 2. High ceiling kit 3. Low noise operation mode	
	0		2			0	Disuse	0	Disuse		
						1	Use	1	Use		
Option	SEG7		SEG8		SEG9	SEG10		SEG11		SEG12	
Explanation	PAGE		Use of drain pump		RESERVED	RESERVED		RESERVED		Master / Slave	
Indication and Details	Indication	Details	Indication	Details						Indication	Details
	1		0	Disuse						0	slave
			1	Use						1	master
			2	Use + 3minute delay							
Option	SEG13		SEG14		SEG15		SEG16		SEG17		SEG18	
Explanation	PAGE		Use of external control		Setting the output of external control		S-Plasma ion		Buzzer control		Number of hours using filter	
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	2		0	Disuse	0	Thermo on	0	Disuse	0	Mixed operation control 1/Use buzzer	2	1000 Hour
			1	ON/OFF Control	1	Operation on	1	Use	1	Mixed operation control 1/Disuse of buzzer	6	2000 Hour
			2	OFF Control					2	Mixed operation control 2/Use buzzer		
			3	WINDOW Control					3	Mixed operation control 2/Disuse of buzzer		

*SEG17 for ACN** Model: Not used "Mixed operation control & Indication No.2 / No.3"

<table>
<tr><td>Option</td><td colspan="2">SEG19</td><td colspan="2">SEG20</td><td colspan="2">SEG21</td><td>SEG22</td><td colspan="2">SEG23</td><td>SEG24</td></tr>
<tr><td>Explanation</td><td colspan="2">PAGE</td><td colspan="2">Individual control of a remote controller</td><td colspan="2">Heating setting compensation</td><td rowspan="2">RESERVED</td><td colspan="2">Motion detect sensor</td><td rowspan="2">RESERVED</td></tr>
<tr><td rowspan="9">Indication and Details</td><td>Indication</td><td>Details</td><td>Indication</td><td>Details</td><td>Indication</td><td>Details</td><td>Indication</td><td>Details</td></tr>
<tr><td colspan="2" rowspan="8">3</td><td>0 or 1</td><td>Indoor 1</td><td rowspan="3">0</td><td rowspan="3">Disuse</td><td rowspan="8">0.No Use (Factory Setting)
1.Standard Mode/Auto Set OFF30 Min.
2.Standard Mode/Auto Set OFF60 Min.
3.Standard Mode/Auto Set OFF 120 Min.
4.Standard Mode/Auto Set OFF 180 Min.
5.Premium Mode/ Auto Set OFF30 Min.6.Premium Mode/ Auto Set OFF60 Min.
7.Premium Mode/Auto Set OFF 120 Min.
8.Premium Mode/Auto Set OFF 180 Min.</td></tr>
<tr><td>2</td><td>Indoor 2</td></tr>
<tr><td>3</td><td>Indoor 3</td></tr>
<tr><td rowspan="2">4</td><td rowspan="2">Indoor 4</td><td>1</td><td>2˚C</td></tr>
<tr><td>2</td><td>5˚C</td></tr>
</table>

▶ If you input a number other than 0~4 on the individual control of the indoor unit(SEG 20), the indoor is set as "Indoor 1".

Example) If you want to set as "Exterior temperature sensor : USE, External control : USE, Number of hours using filer : 2000hr",

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	2	-	1	0	-
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	0	-	-	-	0
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	1	0	-	0	6
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	0	-	-	-	-

assign option codes except SEG 1, 7, 13, 19 which are page options.

Setting an indoor unit address and installation option

Changing a particular option

You can change each digit of set option.

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Explanation	PAGE		MODE		The option mode you want to change		The tens' digit of an option SEG you will change		The unit digit of an option SEG you will change		The changed value	
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		D		Option mode	0~F	Tens' digit of SEG	0~9	Unit digit of SEG	0~9	The changed value	0~F

NOTE

- When changing a digit of an indoor unit address setting option, set the SEG3 as 'A'.
- When changing a digit of indoor unit installation option, set the SEG3 as '2'.

Ex) When setting the 'buzzer control' into disuse status.

Option	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
Explanation	PAGE	MODE	The option mode you want to change	The tens' digit of an option SEG you will change	The unit digit of an option SEG you will change	The changed value
Indication	0	D	2	1	7	1

Troubleshooting

Abnormal conditions	LED lamp display				Remarks
	Operation	Defrost	Timer	Filter	
	⏻	✱	🕘	▦	
Power reset	◑	X	X	X	
Error of temperature sensor in the indoor unit (Open/Short)	X	◑	X	X	
Error of heat exchanger sensor in the indoor unit (Open/Short)	◑	◑	X	X	
Error of fan motor in the indoor unit	X	X	◑	X	
Error of the outdoor temperature sensor Error of the condensor temperature sensor Error of the discharge temperature sensor	◑	X	◑	X	
No communication for 2 minutes between indoor and outdoor unit (communication error for more than 2minutes)	X	◑	◑	X	
Error of outdoor unit	X	◑	◑	◑	
Detection of the float switch	X	X	◑	◑	
EEPROM error	◑	◑	◑	X	
EEPROM option error	◑	◑	◑	◑	
Motion detect sensor error	◑	X	X	◑	

● On ◑ Flickering X Off

◆ If you turn off the air conditioner when the LED is flickering, the LED is also turned off.

Safety precautions

Carefully follow the precautions listed below because they are essential to guarantee the safety of the equipment.

WARNING

- Always disconnect the air conditioner from the power supply before servicing it or accessing its internal components.
- Verify that installation and testing operations are performed by qualified personnel.
- Verify that the air conditioner is not installed in an easily accessible area.

General information

- Carefully read the content of this manual before installing the air conditioner and store the manual in a safe place in order to be able to use it as reference after installation.
- For maximum safety, installers should always carefully read the following warnings.
- Store the operation and installation manual in a safe location and remember to hand it over to the new owner if the air conditioner is sold or transferred.
- This manual explains how to install an indoor unit with a split system with two SAMSUNG units. The use of other types of units with different control systems may damage the units and invalidate the warranty. The manufacturer shall not be responsible for damages arising from the use of non compliant units.
- The air conditioner is compliant with the requirements of the Low Voltage Directive (72/23/EEC), the EMC Directive (89/336/EEC) and the Directive on pressurized equipment (97/23/EEC).
- The manufacturer shall not be responsible for damage originating from unauthorized changes or the improper connection of electric and requirements set forth in the "Operating limits" table, included in the manual, shall immediately invalidate the warranty.
- The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be installed in areas used for laundry.
- Do not use the units if damaged. If problems occur, switch the unit off and disconnect it from the power supply.
- In order to prevent electric shocks, fires or injuries, always stop the unit, disable the protection switch and contact SAMSUNG's technical support if the unit produces smoke, if the power cable is hot or damaged or if the unit is very noisy.
- Always remember to inspect the unit, electric connections, refrigerant tubes and protections regularly. These operations should be performed by qualified personnel only.
- The unit contains moving parts, which should always be kept out of the reach of children.
- Do not attempt to repair, move, alter or reinstall the unit. If performed by unauthorized personnel, these operations may cause electric shocks or fires.
- Do not place containers with liquids or other objects on the unit.
- All the materials used for the manufacture and packaging of the air conditioner are recyclable.
- The packing material and exhaust batteries of the remote controller(optional) must be disposed of in accordance with current laws.
- The air conditioner contains a refrigerant that has to be disposed of as special waste. At the end of its life cycle, the air conditioner must be disposed of in authorized centers or returned to the retailer so that it can be disposed of correctly and safely.

Installing the unit

IMPORTANT: When installing the unit, always remember to connect first the refrigerant tubes, then the electrical lines.
Always disassemble the electric lines before the refrigerant tubes.

- Upon receipt, inspect the product to verify that it has not been damaged during transport. If the product appears damaged, DO NOT INSTALL it and immediately report the damage to the carrier or retailer (if the installer or the authorized technician has collected the material from the retailer.)
- After completing the installation, always carry out a functional test and provide the instructions on how to operate the air conditioner to the user.
- Do not use the air conditioner in environments with hazardous substances or close to equipment that release free flames to avoid the occurrence of fires, explosions or injuries.
- Our units should be installed in compliance with the spaces shown in the installation manual, to ensure accessibility from both sides and allow repairs or maintenance operations to be carried out. The unit's components should be accessible and easy to disassemble without endangering people and objects.
  For this reason, when provisions of the installation manual are not complied with, the cost required to access and repair the units (in SAFETY CONDITIONS, as set out in prevailing regulations) with harnesses, ladders, scaffolding or any other elevation system will NOT be considered part of the warranty and will be charged to the end customer.

Power supply line, fuse or circuit breaker

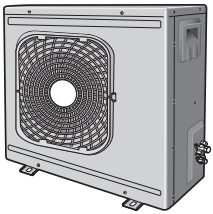
- Always make sure that the power supply is compliant with current safety standards. Always install the air conditioner in compliance with current local safety standards.
- Always verify that a suitable grounding connection is available.
- Verify that the voltage and frequency of the power supply comply with the specifications and that the installed power is sufficient to ensure the operation of any other domestic appliance connected to the same electric lines.
- Always verify that the cut-off and protection switches are suitably dimensioned.
- Verify that the air conditioner is connected to the power supply in accordance with the instructions provided in the wiring diagram included in the manual.
- Always verify that electric connections (cable entry, section of leads, protections…) are compliant with the electric specifications and with the instructions provided in the wiring scheme. Always verify that all connections comply with the standards applicable to the installation of air conditioners.
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.

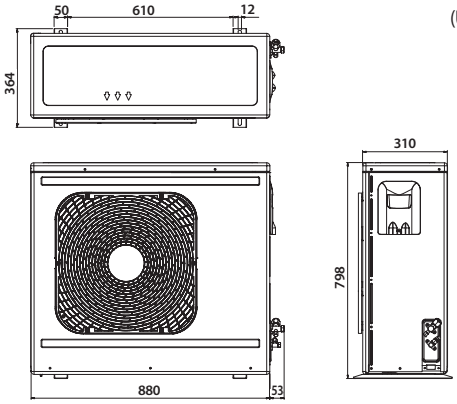
Preparation for outdoor unit installation

The air conditioner uses R410A refrigerant.

A Type: RC052DHXEH/ RC060DHXEH

■ **Heat pump**

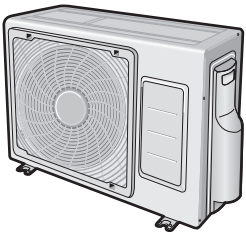


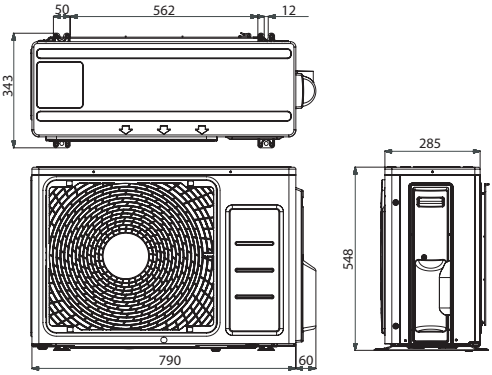


(Unit : mm)

B Type: RC026DHXEH /RC035DHXEH

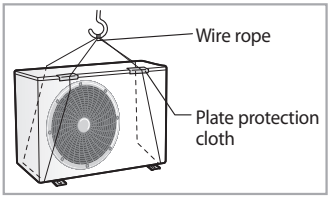
■ **Heat pump**





Moving the Outdoor Unit by Wire Rope

Fasten the outdoor unit by two 8m or longer wire ropes as shown at the figure. To prevent from damage or scratches, insert a piece of cloth between the outdoor unit and rope, then move the unit.

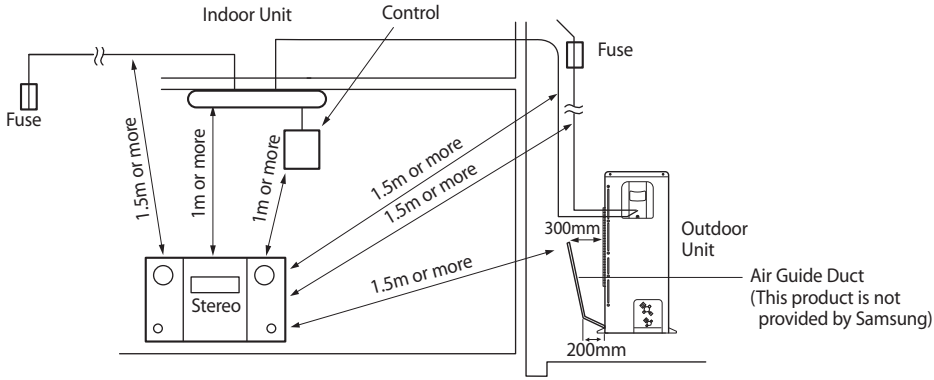


✳ The appearance of the unit may be differ ent from the picture depending on the model.

Deciding on where to install the outdoor unit

Outdoor Unit

- The outdoor unit must not be placed on its side or upside down, as the compressor lubrication oil will run into the cooling circuit and seriously damage the unit.
- Choose a location that is dry and sunny, but not exposed to direct sunlight or strong winds.
- Do not block any passageways or thoroughfares.
- Choose a location where the noise of the air conditioner when running and the discharged air do not disturb any neighbours.
- Choose a position that enables the pipes and cables to be easily connected to the indoor unit.
- Install the outdoor unit on a flat, stable surface that can support its weight and does not generate any unnecessary noise and vibration.
- Position the outdoor unit so that the air flow is directed towards the open area.
- Maintain sufficient clearance around the outdoor unit, especially from a radio, computer, stereo system, etc.



- If the outdoor unit is installed at a height, ensure that its base is firmly fixed in position.
- Make sure that the water dripping from the drain hose runs away correctly and safely.
- When you install the outdoor unit at wayside, you should install it above 2m height or make sure that the heat from the outdoor unit shouldn't be in direct contact with passersby. (The ground for application :The revision of regulation for facility in building by the law of the Ministry of Construction and Transportation.

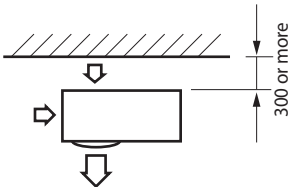
CAUTION

- You have just purchased a system air conditioner and it has been installed by your installation specialist.
- This device must be installed according to the national electrical rules.
- With an outdoor unit having net weight upper than 60kg, we suggest do not install it suspended on wall, but considering floor standing one.

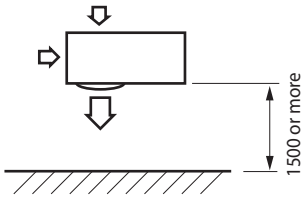
Deciding on where to install the outdoor unit

Space Requirements for Outdoor Unit

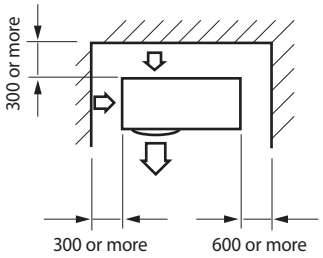
When installing 1 outdoor unit



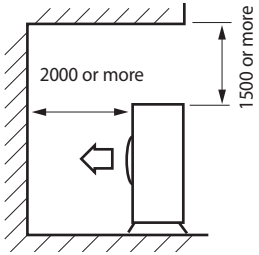
✻ When the air outlet is opposite the wall



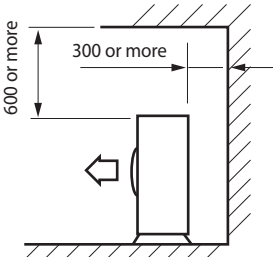
✻ When the air outlet is towards the wall



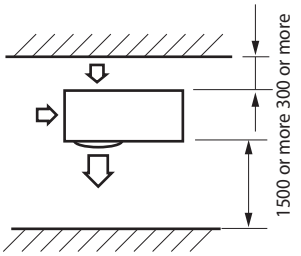
✻ When 3 sides of the outdoor unit are blocked by the wall



✻ The upper part of the outdoor unit and the air outlet is towards the wall



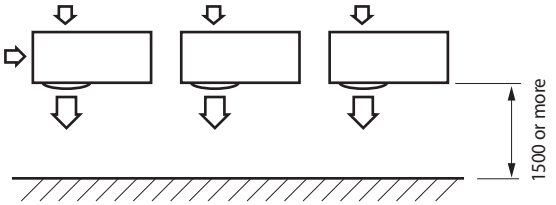
✻ The upper part of the outdoor unit and the air outlet is opposite the wall



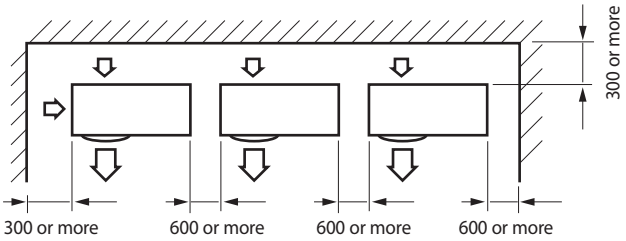
✻ When front and rear side of the outdoor unit is towards the wall

When installing more than 1 outdoor unit

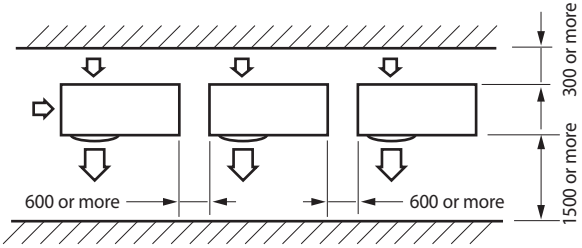
(Unit : mm)



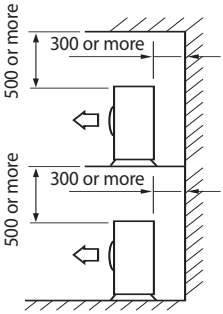
✻ When the air outlet is towards the wall



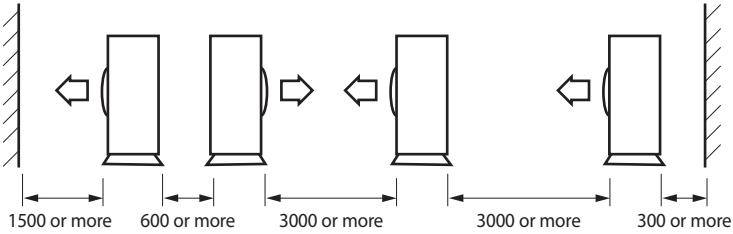
✻ When 3 sides of the outdoor unit are blocked by the wall



✻ When front and rear side of the outdoor unit is towards the wall



✻ The upper part of the outdoor unit and the air outlet is towards the wall



✻ When front and rear side of the outdoor unit is towards the wall

CAUTION

- The units must be installed according to distances declared, in order to permit accessibility from each side, either to guarantee correct operation of maintenance or repairing products.
  The unit's parts must be reachable and removable completely under safety condition (for people or things).

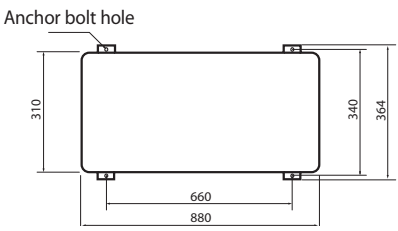
Outdoor unit installation

The outdoor unit must be installed on a rigid and stable base to avoid any increase in the noise level and vibration, particularly if the outdoor unit is to be installed in a location exposed to strong winds or at a height, the unit must be fixed to an appropriate support(wall or ground).

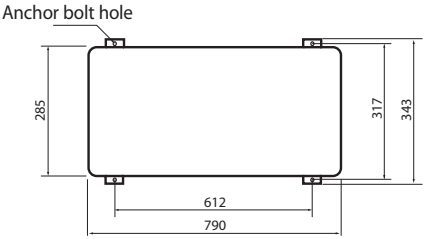
Fix the outdoor unit with anchor bolts.

NOTE
- The anchor bolt must be 20mm or higher from the base surface.

(Unit : mm)



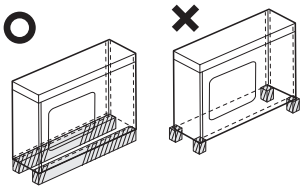
Type A



Type B

CAUTION
- Make a drain outlet around the base for outdoor unit drainage.
- If the outdoor unit is installed on the roof, you have to check the ceiling strength and waterproof the unit.

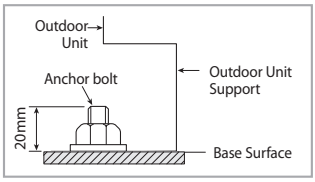
Outdoor Unit Support

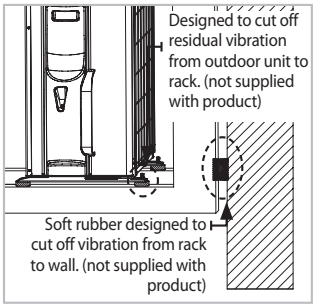


OUTDOOR UNIT INSTALLED ON THE WALL BY RACK

- Ensure the wall will be able to suspend the weight of rack and outdoor unit ;
- Install the rack close to the column as much as possible ;
- Install proper grommet in order to reduce noise and residual vibration transferred by outdoor unit towards wall.

CAUTION
When installing air guide duct
- Check and make sure that screws do not damage the copper pipe.
- Secure air guide duct on guard fan.




Designed to cut off residual vibration from outdoor unit to rack. (not supplied with product)
Soft rubber designed to cut off vibration from rack to wall. (not supplied with product)

Connecting the cable

Two electronic cables must be connected to the outdoor unit.

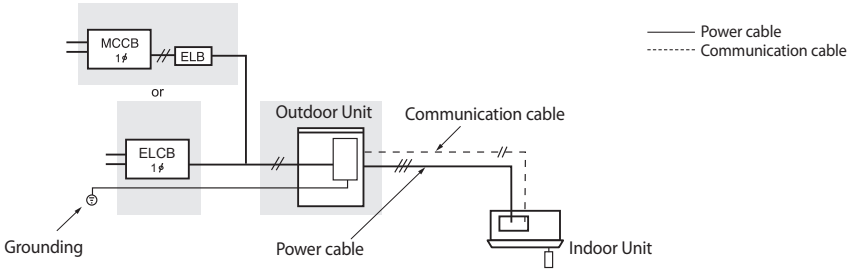
- The connection cord between indoor unit and outdoor unit.
- The power cable between outdoor unit and auxiliary circuit breaker.
- Specially for Russian and European market, before installation, the supply authority should be consulted to determine the supply system impendance to ensure compliance.

CAUTION

- During the unit installation make first refrigerant connections and then electrical connections. If unit is uninstalled first disconnect electrical cables, then refrigerant connections.
- Connect the air conditioner to grounding system before performing the electrical connection.
- When installing the unit, you shouldn't use inter connection wire.

Example of Air Conditioner System

When using ELB for 1 phase



✻ If an outdoor unit is installed in a place in danger of an electric leak or submergence, you must install the ELB.

Specification for circuit breaker and power supply cord

- Power supply cord is not supplied with air conditioner.
- Select the power supply cord in accordance with relevant local and national regulations.
- Wire size must comply with the applicable local and national code.
- Specifications for local wiring power supply cord and branch wiring are in compliance with local cord.
- This equipment complies with "IEC 61000-3-12(060/071) and IEC 61000-3-2(026/035/052) "

Model	Outdoor Units		Maximum Input Current [A]			Power Supply	
Outdoor Unit	Rated		Outdoor (Down_Amp)	Indoor (Max.)	Total	MCA	MFA
	Hz	Volts					
RC060DHXEH	50	1phase, 220-240	20.00	0.30	20.30	20.30	25.00
RC052DHXEH	50	1phase, 220-240	20.00	0.30	20.30	20.30	25.00
RC035DHXEH	50	1phase, 220-240	10.50	0.30	10.80	10.80	13.13
RC026DHXEH	50	1phase, 220-240	10.00	0.25	10.25	10.30	12.50

NOTE

- Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 57 / CENELEC:H05RN-F)
- Select power supply cord based on MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- MCA represents maximum input current.
- MFA represents capacity which may accept MCA.
- The total length of the communication wire must not exceed 60m. Exceeding 60m may not satisfy the EN55014-1 standard.
- Communication Cable Specification : 2G, 0.75mm2,or more.

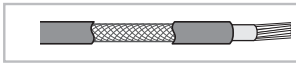
✻ **Abbreviations : MCA : Min. Circuit Amps. (A) ; MFA : Max. Fuse Amps. (A)**

Connecting the cable

Between Indoor and Outdoor Connection cable Specifications(Common in use)

Indoor Power supply			Communication Cable	Home Server
Power Supply	Max/Min(V)	Indoor Power cable		
220-240V~/50Hz	±10%	0.75~1.5mm²,3wires	0.75~1.5mm²,2wires	0.75mm²,2wires

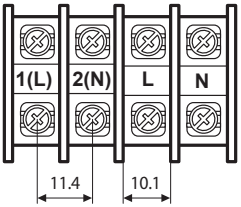
※ For connection cable, use the grade H07RN-F or H05RN-F materials.



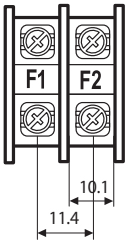
When installing the indoor unit in a computer room or net work room, use the double shielded (Tape aluminum / polyester braid + copper) cable of FROHH2R type.

1-phase terminal block spec

AC power : M4 screw

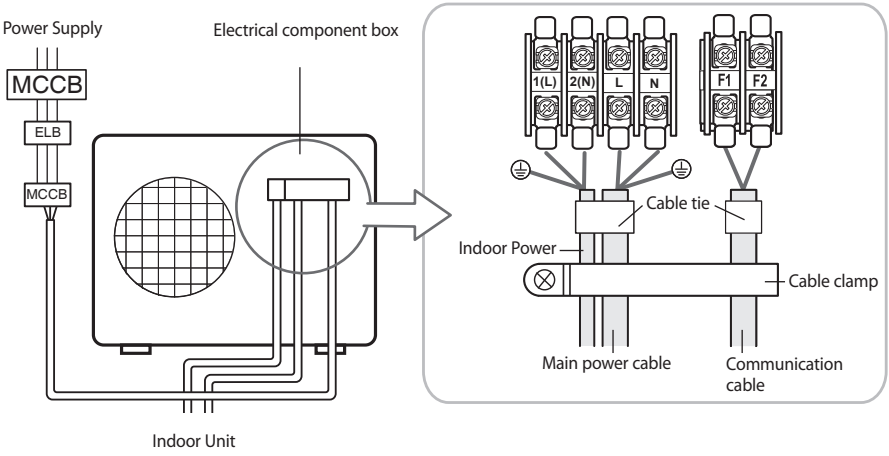


Communication : M4 screw



Wiring Diagram of Power Cable

When using ELB for 1 phase



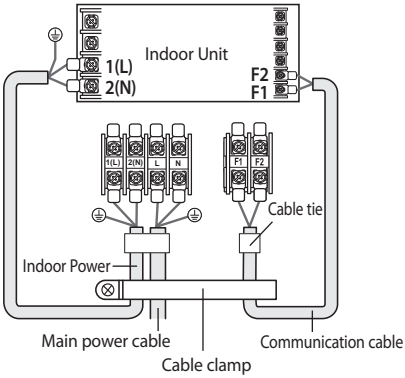
※ The appearance of the unit may be different from the picture depending on the model.

CAUTION

- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 2% of supply rating.
  - If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 4% of supply rating, the indoor unit is protected, stopped and the error mode indicates.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units within ducts. (with appropriate IP rating and material selection for your application)
- Ensure that main supply connection is made through a switch that disconnects all poles, with contact gap of a least 3 mm.
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.
- Keep distances of 50mm or more between power cable and communication cable.

Wiring Diagram of Connection Cord

1 phase



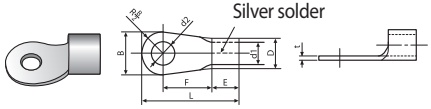
NOTE

- Lay the electrical wiring so that the front cover does not rise up when doing wiring work and attach the front cover securely.
- Ground wire for the indoor unit and outdoor unit connection cable must be clamped to a soft copper tin-plated eyelet terminal with M4 screw hole(NOT SUPPLIED WITH UNIT ACCESSORIES).

Connecting the cable

Connecting the Power Terminal

- Connect the cables to the terminal board using the compressed ring terminal.
- Cover a solderless ring terminal and a connector part of the power cable and then connect it.



Nominal dimensions for cable [mm^2(inch^2)]	Nominal dimensions for screw [mm(inch)]	B		D		d1		E	F	L	d2		t
		Standard dimension [mm(inch)]	Allowance [mm(inch)]	Standard dimension [mm(inch)]	Allowance [mm(inch)]	Standard dimension [mm(inch)]	Allowance [mm(inch)]	Min. [mm (inch)]	Min. [mm (inch)]	Max. [mm (inch)]	Standard dimension [mm(inch)]	Allowance [mm(inch)]	Min. [mm (inch)]
4/6 (0.006/ 0.009)	4(3/8)	9.5(3/8)	±0.2 (±0.007)	5.6(1/4)	+0.3(+0.011) -0.2(-0.007)	3.4(1/8)	±0.2 (±0.007)	6 (1/4)	5 (3/16)	20 (3/4)	4.3 (3/16)	+0.2(+0.007) 0(0)	0.9 (0.03)
	8(3/16)	15(9/16)							9 (3/8)	28.5 (1-1/8)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	
10(0.01)	8(3/16)	15(9/16)	±0.2 (±0.007)	7.1(1/4)	+0.3(+0.011) -0.2(-0.007)	4.5(3/16)	±0.2 (±0.007)	7.9 (5/16)	9 (3/8)	30 (1-3/16)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	1.15 (0.04)
16(0.02)	8(3/16)	16(10/16)	±0.2 (±0.007)	9(3/8)	+0.3(+0.011) -0.2(-0.007)	5.8(1/4)	±0.2 (±0.007)	9.5 (5/16)	13 (1/2)	33 (1-5/16)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	1.45 (0.05)
25(0.03)	8(3/16)	12(1/2)	±0.3 (±0.011)	11.5(7/16)	+0.5(+0.019) -0.2(-0.007)	7.7(5/16)	±0.2 (±0.007)	11 (3/8)	15 (5/8)	34 (1-3/8)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	1.7 (0.06)
	8(3/16)	16.5(10/16)							13 (1/2)		8.4 (1-3/16)		
35(0.05)	8(3/16)	16(10/16)	±0.3 (±0.011)	13.3(1/2)	+0.5(+0.019) -0.2(-0.007)	9.4(3/8)	±0.2 (±0.007)	12.5 (1/2)	13 (1/2)	38 (1-1/2)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	1.8 (0.07)
	8(3/16)	22(7/8)							13 (1/2)	43 (1-11/16)	8.4 (1-3/16)		
50(0.07)	8(3/16)	22(7/8)	±0.3 (±0.011)	13.5(1/2)	+0.5(+0.019) -0.2(-0.007)	11.4(7/16)	±0.3 (±0.011)	17.5 (11/16)	14 (9/16)	50 (2)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	1.8 (0.07)
70(0.10)	8(3/16)	24(1)	±0.4 (±0.015)	17.5(11/16)	+0.5(+0.019) -0.4(-0.015)	13.3(1/2)	±0.4 (±0.015)	18.5 (3/4)	20 (3/4)	51 (2)	8.4 (1-3/16)	+0.4(+0.015) 0(0)	2.0 (0.078)

- Connect the rated cables only.
- Connect using a driver which is able to apply the rated torque to the screws.
- If the terminal is loose, fire may occur caused by arc. If the terminal is connected too firmly, the terminal may be damaged.

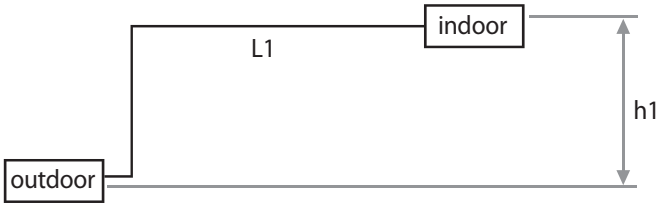
Tightening Torque (kgf • cm)	
M3	5.0~6.0
M4	12.0~15.0
M5	20.0~25.0

CAUTION

- When connecting cables, you can connect the cables to the electrical part or connect them through the holes below depending on the spot.
- **Run transmission wiring between the indoor and outdoor units through a conduit to protect against external forces, and feed the conduit through the wall together with refirgerant piping.**
- Remove all burrs at the edge of the knock-out hole and secure the cable to the outdoor knock-out using lining and bushing with an electrical insulation such as rubber and so on.
- Must keep the cable in a protection tube.
- Keep distances of 50mm or more between power cable and communication cable.
- When the cables are connected through the hole, remove the Plate bottom.

Connecting the refrigerant pipe

Refrigerant piping system

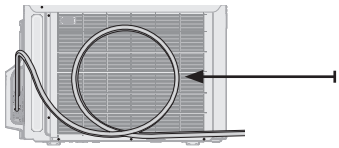


Items	Model		
	RC026DHXEH	RC035DHXEH	RC052DHXEH RC060DHXEH
Maximum allowable length (L1)	20m	30m	50m
Maximum allowable height length (h1)	15m	20m	30m

◆ Temper grade and minimum thickness of the refrigerant pipe

Outer diameter [mm]	Minimum thickness [mm]	Temper grade
ø6.35	0.7	C1220T-O
ø9.52	0.7	
ø12.70	0.8	
ø15.88	1.0	
ø15.88	0.8	C1220T-1/2H OR C1220T-H
ø19.05	0.9	
ø22.23	0.9	

CAUTION
- Make sure to use C1220T-1/2H (Semi-hard) pipe for more than Ø19.05mm. In case of using C1220T-O (Soft) pipe for Ø19.05mm, pipe may be broken, which can result in an injury.



❊ The appearance of the unit may be different from the diagram depending on the model.

CAUTION
- After connecting pipes with knock-out treatment, plug the space.
- Following the pipe connection, make sure to proceed precisely to prevent interference with the internal parts.

Connecting up and removing air in the circuit

CAUTION

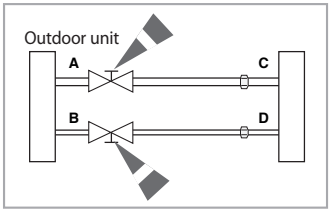
- When installing, make sure there is no leakage. When recovering the refrigerant,ground the compressor first before removing the connection pipe.
  If the refrigerant pipe is not properly connected and the compressor works with the service valve open, the pipe inhales the air and it makes the pressure inside of the refrigerant cycle abnormally high, It may cause explosion and injur y.

The air in the indoor unit and in the pipe must be purged. If air remains in the refrigeration pipes, it will affect the compressor either reduce cooling/heating capacity or lead to a malfuction. Refrigerant for air purging is not charged in the outdoor unit. Use Vacuum Pump as shown at the right figure.

1. **Connect each assembly pipe to the appropriate valve on the outdoor unit and tighten the flare nut.**

2. **Referring to the illustration opposite, tighten the flare nut on section B first manually and then with a torque wrench, applying the following torque.**

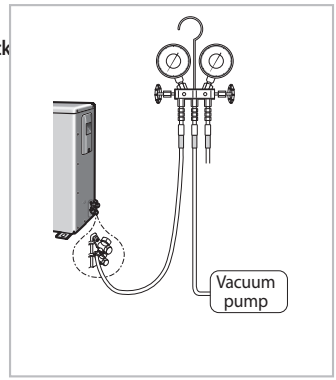
Outer Diameter (D)	Torque (N•m)
ø6.35 mm(1/4")	18
ø9.52 mm(3/8")	42
ø12.70 mm(1/2")	55
ø15.88 mm(5/8")	65
ø19.05 mm(3/4")	100



3. **Connect the charging hose of low pressure side of manifold gauge to the pack at the figure.**

CAUTION

- Make the electrical connection and leave the system into "stand by mode". Do not turn on the system.
  This is necessary to speed up vacuum operation (full OPEN position of Electronic Expansion Valve - EEV -).



※ The designs and shape are subject to change according to the model.

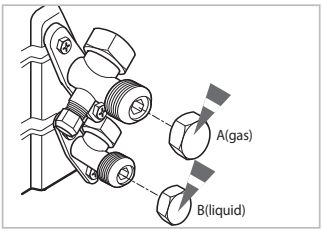
4. **Open the valve of the low pressure side of manifold gauge counterclockwise.**

5. **Purge the air from the system using vacuum pump for about 10 minutes.**
   - ◆ Close the valve of the low pressure side of manifold gauge clockwise.
   - ◆ Make sure that pressure gauge shows -0.1MPa(-76cmHg) after about 10 minutes. This procedure is very important to avoid a gas leak.
   - ◆ Turn off the vacuum pump.
   - ◆ Remove the hose of the low pressure side of manifold gauge.

6. **Set valve cork of both liquid side and gas side of packed valve to the open position.**

7. **Mount the valve stem nuts and the service port cap to the valve, and tighten them at the torque of 183kgf•cm with a torque wrench.**

8. **Check for gas leakage.**
   - ◆ At this time, especially check for gas leakage from the 3-way valve's stem nuts(A port), and from the service port cap.



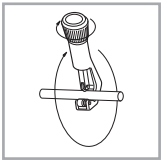
CAUTION

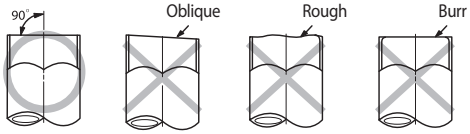
- Connect the indoor and outdoor units using pipes with flared connections (not supplied). For the lines, use insulated, unwelded, degreased and deoxidized copper pipe, (Cu DHP type to ISO 1337 or UNI EN 12735-1), s uitable for operating pressures of at least 4200kPa and for a burst pressure of at least 20700kPa. Copper pipe for hydro-sanitary applications is completely unsuitable.
- For sizing and limits (height difference, line length, max. bends, refrigerant charge, etc.) see "Connecting refrigerant pipe section".

Cutting/Flaring the pipes

1. Make sure that you have the required tools available. (pipe cutter, reamer, flaring tool and pipe holder)

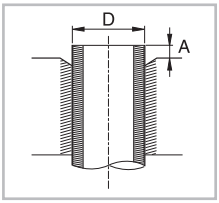
2. If you wish to shorten the pipes, cut it with a pipe cutter, taking care to ensure that the cut edge remains at a 90° angle with the side of the pipe. Refer to the illustrations below for examples of edges cut correctly and incorrectly.





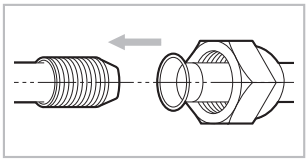
3. To prevent any gas from leaking out, remove all burrs at the cut edge of the pipe, using aa reamer.

4. Slide a flare nut on to the pipe and modify the flare.



Outer Diameter (D)	Depth (A)
ø6.35 mm(1/4")	1.3 mm
ø9.52 mm(3/8")	1.8 mm
ø12.70 mm(1/2")	2.0 mm
ø15.88 mm(5/8")	2.2 mm
ø19.05 mm(3/4")	2.2 mm

5. Check that the flaring is correct, referring to the illustrations below for examples of incorrect flaring.



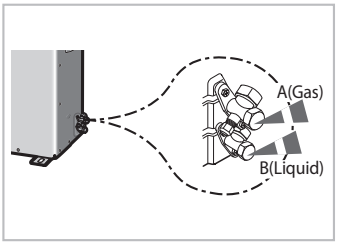
6. Align the pipes and tighten the flare nuts first manually and then with a torque wrench, applying the following torque.

Valve	Flare nut		Valve cap		Pressure port cap		Valve needle		Pressure port	
	Wrench(mm)	N•m	Wrench(mm)	N•m	Wrench(mm)	N•m	Wrench(mm)	N•m	Wrench(mm)	N•m
1/4"	17	18	23	20	18	16~18	Allen(hex.) 5	9	-	0.34
3/8"	22	42	23	20	18	16~18	Allen(hex.) 5	9	-	0.34
1/2"	26	55	29	40	18	16~18	Allen(hex.) 5	13	-	0.34
5/8"	29	65	29	40	18	16~18	Allen(hex.) 5	13	-	0.34
3/4"	36	100	38	40	18	16~18	Allen(hex.) 5	13	-	0.34

CAUTION
- If the pipes require brazing ensure that OFN(Oxygen Free Nitrogen) is flowing through the system.
- Nitrogen blowing pressure range is 0.02 ~ 0.05MPa.

Performing leak tests

LEAK TEST WITH NITROGEN (before opening valves)
In order to detect basic refrigerant leaks, before recreating the vacuum and recirculating the R410A, it's responsable of installer to pressurize the whole system with nitrogen (using a cylinder with pressure reducer) at a pressure above 40 bar (gauge).
LEAK TEST WITH R410A (after opening valves)
Before opening valves, discharge all the nitrogen into the system and create vacuum. After opening valves check leaks using a leak detector for refrigerant R410A.
Once you have completed all the connections, check for possible leaks using leak detector specifically designed for HFC refrigerants.



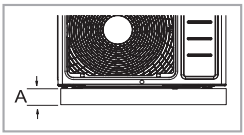
✳ The designs and shape are subject to change according to the model.

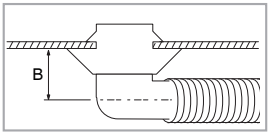
To check for gas leaks on the...	Then, using a leak detector, check the...
Outdoor unit	Valves on sections A and B.

Connecting the drain hose to the outdoor unit

When using the air conditioner in the heating mode, ice may accumulate . During de-icing (defrost operation), the condensed water must be drained off safely. Consequently, you must install a drain hose on the outdoor unit, following the instructions below.

1. Make space more than 50mm between the bottom of the outdoor unit and the ground for installation of the drain hose, as shown in figure.
2. Insert the drain plug into the hole on the underside of the outdoor unit.
3. Connect the drain hose to the drain plug.
4. Ensure that the drained water runs off correctly and safely.

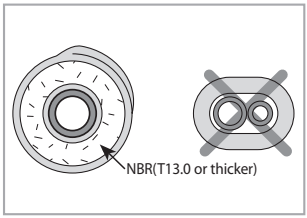




Model	A	B
RC026DHXEH RC035DHXEH	50mm	13mm
RC052DHXEH RC060DHXEH	50mm	30mm

Insulation

Once you have checked that there are no leaks in the system, you can insulate the piping and hose.



1. To avoid condensation problems, place an insulator around each refrigerant pipe.

NOTE
- When insulate the pipe, be sure to overlap the insulation.
- You have to use more than 120°C insulation(T13.0 or thicker Acrylonitrile Butadien Rubber) for the gas refrigerant pipe.
- The insulation has to be produced in full compliance of European regulation reg. EEC / EU 2037/ 2000 that requires the use of sheaths insulation form without using CFC and HCFC gases for health and the environment.

CAUTION
- When insulating the pipe, use non-slit insulator.

2 Select the insulation of the refrigerant pipe.
- ◆ Insulate the gas side and liquid side pipe referring to the thickness according to the pipe size.
- ◆ Less than Indoor temperature of 30°C and humidity of 85% is the standard condition.
  If installing in a high humidity condition, use one grade thicker insulator by referring to the table below.
  If installing in an unfavorable conditions, use thicker one.
- ◆ Insulator's heat-resistance temperature should be more than 120°C.

Pipe	Pipe size	Insulation Type (Heating/Cooling)		Remarks
		Standard [Less than 30°C, 85%]	High humidity [30°C, over 85%]	
		EPDM, NBR		
Liquid pipe	Ø6.35 ~ Ø9.52	9t	9t	Internal temperature is higher than 120°C
	Ø12.70~ Ø19.05	13t	13t	
Gas pipe	Ø6.35	13t	19t	
	Ø9.52	19t	25t	
	Ø12.70			
	Ø15.88			
	Ø19.05			

◆ When installing insulation in places and conditions below, use the same insulation that is used for high humidity conditions.

<Geological condition>
- High humidity places such as shoreline, hot spring, near lake or river, and ridge (when the part of the building is covered by earth and sand.)

<Operation purpose condition>
- Restaurant ceiling, sauna, swimming pool etc.

<Building construction condition>
- The ceiling frequently exposed to moisture and cooling is not covered.
e.g. The pipe installed at a corridor of a dormitory and studio or near an exit that opens and closes frequently.
- The place where the pipe is installed is highly humid due to the lack of ventilation system.

Using stop valve

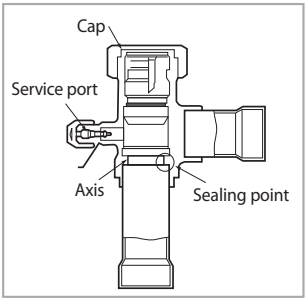
To Open the Stop Valve

1. **Open the cap and turn the stop valve counterclockwise by using a hexagonal wrench.**
2. **Turn it until the axis is stopped.**

NOTE

- Do not apply excessive force to the stop valve and always use special instruments. Otherwise, the stopping box can be damaged and the back sheet can leaks.
- If the watertight sheet leaks, turn the axis back by half, tighten the stopping box, then check the leakage again. If there is no leakage any more, tighten the axis entirely.

3. **Tighten the cap securely.**



To Close the Stop Valve

1. **Remove the cap.**
2. **Turn the stop valve clockwise by using a hexagonal wrench.**
3. **Tighten the axis until the valve reached the sealing point.**
4. **Tighten the cap securely.**

CAUTION

- When you use the service port, always use a charging hose, too.
- Check the leakage of refrigerant gas after tightening the cap.
- Must use a spanner and wrench when you open/tighten the stop valve.

Adding refrigerant

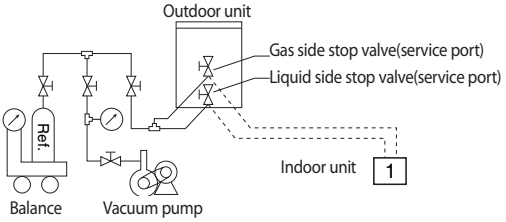
The outdoor unit is loaded with sufficient refrigerant for the standard piping. Thus, refrigerant must be added if the piping is lengthened. This operation can only be performed by a qualified refrigeration specialist.

1. **Check that the stop valve is closed entirely.**
2. **Charge the refrigerant through the service port of liquid stop valve.**

NOTE
- Do not charge the refrigerant through the gas side service port.

3. **If you cannot charge the refrigerant according to the upper steps, following these :**
   1) Open both liquid stop valve and gas stop valve.
   2) Operate the air conditioner by pressing the K2 key on the outdoor unit PCB.
   3) About 30 minutes later, charge the refrigerant through the service port of gas stop valve.

NOTE
- If necessary, refer to the pressure table classified by outdoor temperature.



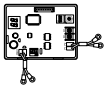
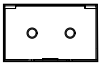
How to Calculate the Quantity of Adding Refrigerant

The quantity of additional refrigerant is variable according to the installation situation. Thus, make sure the outdoor unit situation before adding refrigerant. This operation can only be performed by a qualified refrigeration specialist.

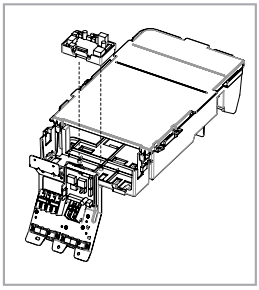
Installation condition	Amount of additional refrigerant charging			
	RC026DHXEH	RC035DHXEH	RC052DHXEH	RC060DHXEH
L1 ≤ 7.5 m	0 [kg]	0 [kg]	0 [kg]	0 [kg]
L1 > 7.5m	-	(L-7.5) x A [kg] ,A=0.010	(L-7.5) x A [kg] ,A=0.025	(L-7.5) x A [kg] ,A=0.025

Interface module Installation (Optional)

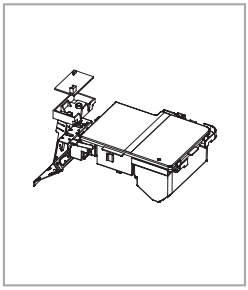
Accessories (Interface module : MIM-B04A)

Interface module	Interface module power cable	Interface module communication cable	Installation Manual	Case	Cable-tie
					

1. Fix the case at with bolts on the side of the control box in the outdoor unit.(See the picture)
2. Attach the Interface module PCB to the case in the control box in the outdoor unit, then connect the power and the communication cable between the Interface module and the outdoor unit; refer to the figure of page 10~11.
3. If you install a Interface module to an outdoor unit, every indoor unit which is connected to an outdoor unit can be controlled simultaneously.
4. Each outdoor unit connected to the same centralized controller has its own Interface module.



✶✶052/060✶✶

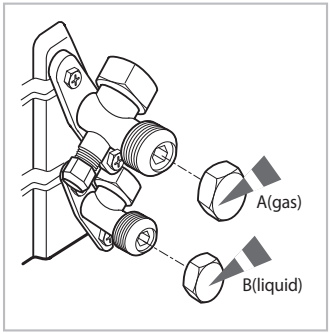


✶✶026/035✶✶

Pump down Procedure

Pump down will be carried out when an evaporator is replaced or when the unit is relocated in another area.

1. Remove the cap from the low pressure side.
2. Turn the low pressure side valve clockwise to close and connect a pressure gauge (low pressure side) to the service valve, and open the valve again.
3. Set the unit to cool operation mode. (Check if the compressor is operating.)
4. Turn the high pressure side valve counter clockwise to close.
5. When the pressure gauge indicates "0" turn the low pressure side valve counter clockwise to close.
6. Stop operation of the air conditioner.
7. Close the each cap of valve.



NOTE

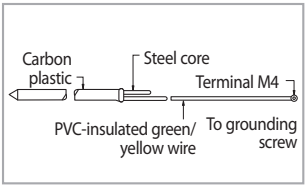
Relocation of the air conditioner

- Refer to this procedure when the unit is relocated.
- Carry out the pump down procedure (refer to the details of 'pump down').
- Remove the power cord.
- Disconnect the assembly cable from the indoor and outdoor units.
- Remove the flare nut connecting the indoor unit and the pipe.
- At this time, cover the pipe of the indoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
- Disconnect the pipe connected to the outdoor unit. At this time, cover the valve of the outdoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
- Make sure you do not bend the connection pipes in the middle and store together with the cables.
- Move the indoor and outdoor units to a new location.
- Remove the mounting plate for the indoor unit and move it to a new location.

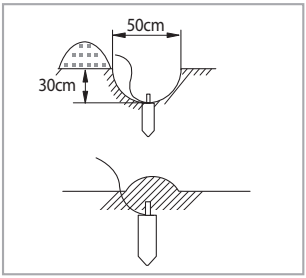
Checking correct grounding

If the power distribution circuit does not have a grounding or the grounding does not comply with specifications, an grounding electrode must be installed.
The corresponding accessories are not supplied with the air conditioner.

1. **Select an grounding electrode that complies with the specifications given in the illustration.**



2. **Connect the flexible hose to the flexible hose port.**
   - ◆ In damp hard soil rather than loose sandy or gravel soil that has a higher grounding resistance.
   - ◆ Away from underground structures or facilities, such as gas pipes, water pipes, telephone lines and underground cables.
   - ◆ At least two metres away from a lightening conductor grounding electrode and its cable.



NOTE
- The grounding wire for the telephone line cannot be used to ground the air conditioner.

3. **Finish wrapping insulating tape around the rest of the pipes leading to the outdoor unit.**

4. **Install a green/yellow coloured grounding wire :**
   - ◆ If the grounding wire is too short, connect an extension lead, in a mechanical way and wrapping it with insulating tape (do not bury the connection).
   - ◆ Secure the grounding wire in position with staples.

NOTE
- If the grounding electrode is installed in an area of heavy traffic, its wire must be connected securely.

5. **Carefully check the installation, by measuring the grounding resistance with a ground resistance tester. If the resistance is above required level, drive the electrode deeper into the ground or increase the number of grounding electrodes.**

6. **Connect the grounding wire to the electrical component box inside of the outdoor unit.**

Testing operations

1. **Check the power supply between the outdoor unit and the auxiliary circuit breaker.**
   - ◆ 1 phase power supply : L, N

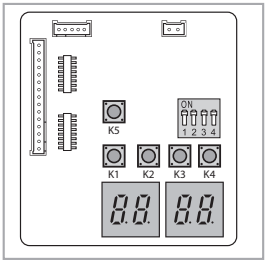
2. **Check the indoor unit.**
   1) Check that you have connected the power and communication cables correctly. (If the power cable and communication cables one mixed up or connected incorrectly, the PCB will be damaged.)
   2) Check the thermistor sensor, drain pump/hose, and display are connected correctly.

3. **Press K1 or K2 on the outdoor unit PCB to run the test mode and stop.**
   - ◆ Press K1 button ➛ Start Heating test mode ➛ Press K1 button ➛ Stop ➛ Heating test mode 7-seg display : H1
   - ◆ Press K2 button ➛ Start Cooling test mode ➛ Press K2 button ➛ Stop ➛ Cooling test mode 7-seg display : H2
   - ◆ Press K1 button twice ➛Start Defrost test mode ➛ Press K1 button ➛ Stop ➛ Defrost test mode 7-seg display : H3
     Condition 1 : The outdoor temperature is under 10℃
     Condition 2 : All the temperature conditions should meet the defrost conditions

4. **After 12 minutes of stationary condition check each indoor unit air treatment :**
   - ◆ Cooling mode(indoor unit check) ➛ Inlet air temp. - Outlet air temp. : From 10℃ to 12℃
   - ◆ Heating mode(indoor unit check) ➛ Outlet air temp. - Inlet air temp. : From 11℃ to 14℃
   - ◆ In heating mode, the indoor fan motor can remain off to avoid cold air blown into conditioned space.

5. **How to reset the power supply of the outdoor unit and deactivate the eco mode (standby mode) :**

   Press [K3] button to reset the power supply of the outdoor unit.
   Press [K5] button to deactivate the eco mode (standby mode)



6. View Mode : When the K4 switch is pressed, you can see information about our system state as below.

Short push	Display contents	SEG1	SEG2	SEG3	SEG4	Unit
1	Order frequency	1	Hundreds' digit	Tens' digit	Unit digit	Hz
2	Current frequency	2	Hundreds' digit	Tens' digit	Unit digit	Hz
3	The number of current indoor units	3	Hundreds' digit	Tens' digit	Unit digit	Hz
4	The sensor for outdoor air intake	4	+ / -	Tens' digit	Unit digit	℃
5	Discharge sensor	5	Hundreds' digit	Tens' digit	Unit digit	℃
6	Eva-Mid sensor	6	+ / -	Tens' digit	Unit digit	℃
7	Cond sensor	7	+ / -	Tens' digit	Unit digit	℃
8	Current	8	Tens' digit	Unit digit	The first place of decimals	℃
9	Fan RPM	9	Thousands' digit	Hundreds' digit	Tens' digit	rpm
10	Target discharge temperature	A	Hundreds' digit	Tens' digit	Unit digit	℃
11	EEV	B	Hundreds' digit	Tens' digit	Unit digit	step
12	The capacity sum of indoor units	C	Tens' digit	Unit digit	The first place of decimals	kW
13	Protective control	D	0: Cooling 1: Heating	Protective control 0: No Protective control 1: Freezing 2: Non-stop defrosting 3: Over-load 4: Discharge 5: Total electric current	Frequency status 0: Normal 1: Hold 2: Down 3: Up_limit 4: Down_limit	-
14	The temperature of heat radiating plate	E	Hundreds' digit	Tens' digit	Unit digit	-
15	S/W check	F	-	-	-	-

Long push 1	Main micom version	Year (Hex)	Month (Hex)	Date (Tens' digit)	Date (Unit digit)
After short push 1	Inverter micom version	Year (Hex)	Month (Hex)	Date (Tens' digit)	Date (Unit digit)
After short push 1	E2P version	Year (Hex)	Month (Hex)	Date (Tens' digit)	Date (Unit digit)

※ Long push K4(Main micom ver.) → short push 1 more(Inv. micom ver.) → short push 1 more(E2P. ver.)

7. DIP switch option

	On (default)	Off
switch 1	Auto address	Manual address
switch 2	-	-
switch 3	Disable snow prevention control	Enable snow prevention control
switch 4	-	-

※ When snow prevention mode is in use, eco mode(standby mode)will not be functional.

Troubleshooting

The table below give indication about self diagnostic routine. Some of error code requires activities exclusively for Authorized Service Center.

Outdoor unit

If an error occurs during the operation, it is displayed on the outdoor unit PCB LED, both MAIN PCB and INVERTER PCB.

No.	Error Code	Meaning	Remarks
1	**E201**	Unit quantity miss matching between indoor and outdoor.	Check indoor quantity setting in outdoor
2	**E202**	Abnormal state, no communication between Indoor and Outdoor Main PCB	Check electrical connection and setting
3	**E203**	1min. Time out of communcation error(Main↔ Inverter)	Check electrical connection and setting
4	**E221**	Outdoor temp sensor error	Check Outdoor sensor Open/Short
5	**E231**	Cond. temp sensor error	Check Cond. sensor Open/Short
6	**E251**	Discharge temp sensor error	Check Discharge sensor Open/Short
7	**E320**	OLP Sensor Error	Check OLP sensor Open/Short
8	**E403**	Detection of Outdoor Freezing when Comp. Stop	Check Outdoor Cond.
9	**E404**	Protection of Outdoor Overload when Comp. Stop	Check Comp. when it start
10	**E416**	Discharge temperature of a compressor in an outdoor unit is overheated.	
11	**E440**	Heating operation is not available since the outdoor air temperature is over 30°C.	Heating
	E441	Cooling operation is not available since the outdoor air temperature is lower than -5°C.	Cooling
12	**E458**	Outdoor unit BLDC Fan 1 or Fan 2 error	FAN1 error
	E475		FAN2 error
13	**E461**	Comp. Starting error	
14	**E462**	Primary Current Trip error	
15	**E463**	Over current trip / PFC over current error	Check OLP sensor
16	**E464**	IPM(IGBT Module) Over Current(O.C)	
17	**E465**	Comp. Over load error	
18	**E466**	DC-Link voltage under/over error	Check AC Power or DC_Link voltage
19	**E467**	Comp. wire missing error	Check Comp. wire
20	**E468**	Current sensor error	Check Outdoor Inverter PBA
21	**E471**	Outdoor EEPROM error	Check Outdoor EEPROM date
22	**E474**	IPM(IGBT Module) or PFCM Temperature sensor Error	Check Outdoor Inverter PBA
23	**E484**	PFC Overload Error	Check Outdoor Inverter PBA
24	**E500**	IPM is over heated.	Check Outdoor Inverter PBA
25	**E554**	GAS Leak error	Check indoor and outdoor unit model
26	**E556**	Capacity miss match between indoor and outdoor	Check indoor and outdoor unit model

Memo

QUESTIONS OR COMMENTS?

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Mini 4 Way Cassette Type

Indoor Unit
ACN✳✳✳NDEHH

Outdoor Unit
RC✳✳✳DHXEH

Air Conditioner
User & Installation manual

Planet First 100% Recycled Paper

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Ⓔ DB68-03221A-1

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